OFFICIAL SPONSOR
AUSTRALIA'S DEFENCE
AMERICA'S CUP 1987

Holden

GEMINI

OWNER'S HANDBOOK

RB SERIES

Owner's Name .....

Address .....

Town .....

State .....Postcode .....

Model Name .....

Reg. No. .....Eng. No. .....

Vehicle Identification No. (V.I.N.) .....

Date of Purchase .....Odometer Reading .....

Vehicle Identification Certificate

Selling
Dealer's
Stamp &
Signature .....

CHANGE OF ADDRESS/OWNERSHIP

GMH requests that owners who change their address (or name) or subsequent owners who purchase this vehicle, complete and return by mail one of the forms on page 149.

This notification is important even after the expiration of the original vehicle warranty in order that GMH will be able to contact you should the need arise.

Part No. 92030192
Nov. 1985 (Print1)

Part 3. Medical assistance

Keep calm and think clearly.

Your experience may not be much but do your best. Don't just stand by and let an injured person die.

• Look after the unconscious person first. Check for breathing. If no breathing, then check if air passages are clear, i.e. nose and mouth. Use your fingers to clear air passages if necessary. If the air way is clear then mouth-to-mouth resuscitation may be needed at once.

Unconscious people can choke.
Carefully turn to one side.
Tilt the head back slightly.
Wipe out the mouth with your finger to remove blood, vomit, broken teeth or dentures.

• You must be most careful in moving an injured person. Often it is best not to move at all but, in conditions of danger, that is not always possible. Serious and permanent damage can be done to an injured neck or back if not supported during movement. NEVER BEND A NECK OR BACK. KEEP THEM STRAIGHT. All injured limbs require support when an injured person has to be moved.

• Provided it is not dangerous to do so because of other injuries, an unconscious person will do best in the "coma position" illustrated here.

Lay the person on one side and — if will not aggravate any injuries — then: Bend the uppermost knee until the thigh is at right angle to body.
Bend the uppermost arm and elbow so that the hand lies near the face.
Gently pull the underneath arm so that it rests straight on the ground free of any body weight.

• Try to stop bleeding by applying direct pressure, using your hands, or by pressing torn flesh together. Use any clean cloth available. Fold cloths to make pads. If necessary, press one pad on top of another. Keep pressure around edges of a wound BUT NEVER USE A TOURNIQUET.

Shock may be treated by reassurance, relieving pain, controlling any bleeding and keeping the injured person warm *but not hot.* Best not to give any fluids and NEVER ALCOHOL.

• If the injured person is in danger and has to be moved, try and have three or four people help and concentrate on not bending the neck, spine and injured limbs. **Keeping the neck and spine straight is most important.**

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A HOLDEN PUBLICATION

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GENERAL MOTORS-HOLDEN'S SALES PTY. LIMITED

(Incorporated in Victoria)

New Vehicle Warranty

GENERAL MOTORS-HOLDEN'S SALES PTY. LTD. HEREBY WARRANTS THAT IT WILL MAKE GOOD, WITHOUT CHARGE, ANY DEFECT WHICH APPEARS IN THE VEHICLE IDENTIFIED IN THE VEHICLE IDENTIFICATION CERTIFICATE FOUND ON THE INSIDE OF THE FRONT COVER.

Provided

1. the defect has been notified to an authorised GMH Dealer or Service Dealer:
   (a) before the vehicle has travelled a distance of 20,000 km, or:
   (b) within 12 months of the date of delivery of the vehicle to the first retail purchaser (or in the case of a Demonstrator vehicle within 12 months of the date when it was first placed into service by the Dealer)

   whichever comes first, and
2. the vehicle has been returned to an authorised GMH Dealer or Service Dealer

And

3. the Dealer has determined that the defect complained of *is* one of material or workmanship and *is not* caused by:
   (a) misuse or abuse of the vehicle such as by racing, rallying, overloading, etc. or by neglect
   (b) operation of the vehicle after it is known to be defective
   (c) accident or deliberate act
   (d) atmospheric fallout or flood, hail, salt, etc.
   (e) failure to carry out proper maintenance service
   (f) use of incorrect types and grades of fuel, oil or lubricants
   (g) alteration or modification of the vehicle
   (h) the fitting of parts or accessories not marketed by GMH
   (i) any work carried out on the vehicle by someone other than an authorised GMH Dealer or Service Dealer,

BY THE DEALER (or as otherwise decided by GMH Sales) MAKING GOOD THE DEFECT BY REPAIR OR, AT THE OPTION OF GMH SALES, BY REPLACEMENT.

Excluded from this Warranty are

- defects in tyres (these being warranted by their manufacturers), and services such as engine tuning, brake adjustment, replacement of air and oil filters, wiper rubbers, etc. which are required as part of normal vehicle maintenance.

This Warranty applies only to vehicles operated in Australia and is given to the person who is entitled to possession of the vehicle whether as owner, lessee or otherwise and is given in addition to all rights conferred by law on that person.

Owners of vehicles operated outside Australia should consult their local dealer regarding the warranty applicable to their vehicles.

GMH Parts and Accessories Warranty

General Motors-Holden's Limited warrants in respect of GMH parts and accessories required as replacement parts, that it will make good by repair or at its option by replacement any defect occurring in any such GMH parts and accessories within 12 months from the date of acquisition or in the case of a GMH part or accessory which has been installed in a vehicle by a GMH Dealer or Service Dealer before such vehicle has travelled a distance of 20,000 kms from the date of installation, whichever first occurs.

Maintenance items such as filters, spark plugs, wiper blades and brake pads/linings will require replacement as part of normal vehicle maintenance. Such replacements are not the subject of this warranty.

Notice to Customers

- No GMH dealer or other person is authorised or permitted to give or make any statement, assertion or undertaking in relation to the quality, performance, characteristics, descriptions or fitness for any purpose of any GMH product or in connection with the supply of any GMH product, which is at variance with any written statement, assertion or undertaking on any of these subjects given or made by General Motors-Holden's Limited or General Motors-Holden's Sales Pty. Ltd. in its published sales literature, and neither company accepts any liability for any such unauthorised action.
- General Motors-Holden's Limited and General Motors-Holden's Sales Pty. Ltd. have franchised dealers in many parts of Australia for the sale of service parts and the provision of service to owners of GMH's products. Every endeavour is made to ensure that such dealers carry adequate stocks of service parts, and are equipped to provide satisfactory service, but neither General Motors-Holden's Ltd. nor General Motors-Holden's Sales Pty. Ltd. makes any promise that such parts or service facilities will be available, or available at any specific location or any particular time.

HOLDEN GEMINI
RB SERIES
OWNER'S HANDBOOK

This handbook should be considered a permanent part of this car. It should stay with the car when sold to provide the next owner with important operating, safety and maintenance information.

TABLE OF CONTENTS

SECTION		PAGE
1	BEFORE DRIVING YOUR VEHICLE	
	A/ Warranty — Questions & Answers	6
	B/ Safer Motoring — Precautions	9
	C/ General Interior/Exterior Items	12
	D/ Steering Column Controls	21
	E/ Instrument Panel and Controls	24
2	STARTING, DRIVING, LOADING & TRAILER TOWING	41
3	IN CASE OF EMERGENCY	54
4	CUSTOMER ASSISTANCE AND AUTHORISED GMH DEALERS	62
5	APPEARANCE CARE	73
6	SPECIFICATIONS & EMISSION CONTROL SYSTEMS	80
7	SERVICE AND MAINTENANCE	
	A/ General Maintenance Information	89
	B/ GMH Maintenance Plan & Service Coupons	109
8	SERVICE STATION INFORMATION	154
9	INDEX & ACCIDENT PROCEDURES	157

This handbook applies to all RB Series models and therefore may contain explanations of some equipment not installed in your vehicle.

ALL INFORMATION, ILLUSTRATIONS & SPECIFICATIONS IN THIS HANDBOOK ARE BASED ON THE LATEST PRODUCT INFORMATION AVAILABLE AT THE TIME OF PRINTING. GENERAL MOTOR'S HOLDENS LIMITED RESERVES THE RIGHT TO MAKE CHANGES AT ANY TIME WITHOUT NOTICE AND WITHOUT INCURRING ANY OBLIGATION.

INTRODUCTION

This handbook has been prepared to acquaint you with the operation and maintenance of your new vehicle and to provide important safety and warranty information.

We urge you to read this handbook carefully. Following the recommendations will help assure the most enjoyable, safe and troublefree operation of your vehicle.

When it comes to service, remember that your GMH Dealer has the trained personnel and specialised equipment to correctly service your vehicle. Your dealer invites you to return for all of your service needs both during and after the warranty period.

To help dealers handle your needs, GMH has a number of Zone Offices throughout the country. If you have a problem that has not been handled to your satisfaction follow the steps in Section 4 of this handbook.

We thank you for choosing a Holden product and want to assure you of our continuing interest in your motoring pleasure and satisfaction.

For the proper maintenance and performance of the vehicle, use only genuine General Motors parts which are identified by one of the trademarks shown above.

THE USE OF PARTS, ADDITIVES AND/OR TREATMENTS OTHER THAN THOSE MARKETED BY GENERAL MOTORS MAY BE DETRIMENTAL TO YOUR VEHICLE'S PERFORMANCE AND SAFETY AND MAY VOID YOUR NEW VEHICLE WARRANTY.

SECTION 1A WARRANTY — QUESTIONS & ANSWERS

HOLDEN

This section is designed to assist you in understanding the terms of the GMH Warranty provided with your new vehicle.

The following are some of the most frequently asked questions for which detailed answers have been provided.

1. **Q. How do i go about obtaining GMH Warranty Service?**

   A. It is the responsibility of the Selling Dealer to provide GMH Warranty Service therefore you should take your vehicle to that Dealer whenever GMH Warranty Service is required. However, if it is not possible for you to take your vehicle to the Selling Dealer (for example — if you are on a long trip, have shifted to another location or have other difficulties) you may take your vehicle to any other Authorised GMH Dealer. The Owner and Vehicle Identification details recorded on the inside front cover of this handbook are required by the Servicing Dealer in connection with the provision of GMH Warranty Service. Therefore, you should present this Handbook to the Servicing Dealer whenever you request GMH Warranty Service.

   NOTE: 1500 kilometre Warranty Service may be carried out by another GMH Dealer provided you have a letter of Introduction from the Selling Dealer. This letter must be arranged prior to obtaining the 1500 kilometre service.

2. **Q. What should I do if in an emergency GMH Warranty Service is required and an Authorised GMH Dealer is not available to provide such service at that time?**

   A. If in an emergency a repair, replacement or adjustment of a kind covered by the GMH New Vehicle Warranty is required to enable your vehicle to be operated safely and it is not practicable for you to have that service performed by the Selling Dealer or another Authorised GMH Dealer, the service, but only to the extent that it is necessary to enable your vehicle to be operated safely may be performed by any other qualified service technician or repairer. A claim for the reasonable cost of such service may be made on GMH through the Selling Dealer or the Authorised GMH Dealer who would normally provide you with GMH Warranty Service. When such emergency service has been performed by other than the Selling Dealer or an Authorised GMH Dealer you should take your vehicle to the Selling Dealer or an Authorised GMH Dealer for inspection of the service and/or the completion of any required GMH Warranty Service as soon as possible.

3. **Q. What should I do if my vehicle becomes unsafe or inoperative as a result of a defect which is covered by the GMH New Vehicle Warranty.**

   A. If, as a result of a defect which is covered by the GMH New Vehicle Warranty your vehicle cannot be driven or is unsafe to drive you should contact the nearest Authorised GMH Dealer as soon as possible and arrange for that Dealer to carry out the required GMH Warranty Service.

4. **Q. Will I have to pay for any costs or expenses in connection with the provision of GMH Warranty Service?**

   A. All parts and labour used and supplied in carrying out GMH Warranty Service at the premises of the Servicing Dealer are free of charge. Whenever GMH Warranty Service is to be carried out by the Servicing Dealer it is your responsibility to deliver your vehicle to the Servicing Dealer's premises and to collect it from those premises when the Warranty Service has been completed.

   If as a result of a defect which is covered by the GMH New Vehicle Warranty your vehicle cannot be driven or cannot be driven safely and you arrange for the nearest Authorised GMH Dealer to carry out the required GMH Warranty Service, such reasonable costs and expenses as are incurred in moving your vehicle to that Authorised GMH Dealer's premises or, if that Dealer so elects, in performing the required GMH Warranty Service at the place where your vehicle is located (or at some other location) will be covered by the GMH New Vehicle Warranty.

5. **Q. Are damage or injury, loss of time, inconvenience, commercial or other direct or indirect loss covered by the GMH New Vehicle Warranty?**

   A. No, these items are not covered. The GMH New Vehicle Warranty covers only the repair, replacement or adjustment at the Servicing Dealer's premises of those parts of your vehicle which are found by GMH to be defective in materials or workmanship during the GMH Warranty Period. No other types of claim for compensation of whatever nature, notwithstanding that the same may have resulted from or have arisen as a consequence of a defect in materials or workmanship in your vehicle or in any part of your vehicle, will be recognized under the GMH Warranty. The rights and remedies which are available to you under any relevant Statutory Enactment or otherwise at law in connection with any such claim for compensation must be pursued outside the ambit of the GMH Vehicle Warranty.

6. **Q. Will I have to pay for Maintenance costs during the Warranty Period?**

   A. Maintenance costs, since they do not arise from defects in materials or workmanship, are not covered by the GMH Vehicle Warranty. However, the scheduled 1500 kilometre service specified in Section 7B of this handbook is free of charge (except for any lubricants used) provided that your vehicle has been operated under **normal** conditions and provided also that no modifications (other than a modification made by or at the direction of GMH) has been made to your vehicle which adversely affects the performance and/or compliance of your vehicle. The Maintenance Schedule in this handbook specifies the minimum maintenance requirements for vehicles operating under **normal** conditions. If you operate under **extreme** conditions your vehicle may require more frequent maintenance services. Refer to "Vehicle Operating Conditions" in Section 7B for clarification of normal and extreme conditions.

   The Maintenance items, except where they are required as a result of defects in materials or workmanship, for which you will be required to pay include:—

   - Engine tune-up — includes replacing spark plugs.
   - Replacement of all filters.
   - Cleaning or flushing of fuel, cooling, brake, engine, transaxle or power steering systems — after 1,500 kilometres.

- Adding to or replacing lubricants.
- Adding to or replacing air conditioning refrigerant — after 5,000 kilometres.
- Any necessary adjustments to drive belts, transmission, clutch, parking brake, etc.
- Replacing wiper blade rubber elements.
- Wheel balancing — after 5,000 kilometres.
- Wheel alignment.
- De-dusting or de-glazing of brake linings or pads — after 1,500 kilometres.
- Brake lining wear or damage.
- Brake disc pad or disc wear.
- Battery re-charging.
- Paint, bright metal finish and trim, due to normal deterioration.
- Body panel, adjustment — after 1,500 kilometres.
- Door, engine hood or rear compartment lid lock adjustments.
- Glass or channel adjustments — after 1,500 kilometres.
- Body rattles, squeaks and general tightening of bolts, fastening and fittings — after 1,500 kilometres.
- Chipped glass or breakage.
- Torn or damaged floor mats or carpets.

7. **Q. Are my tyres covered by the GMH Vehicle Warranty?**

   A. No. The tyres fitted to your vehicle are covered by a separate warranty provided by the tyre manufacturer.

   This warranty arrangement does not deprive you of any of those rights and remedies which are conferred upon you by Statutory Enactment.

   Either the Selling Dealer or the Servicing Dealer will assist you by discussing any queries which you may have with respect to the tyre manufacturer's warranty, with the tyre manufacturer's representatives.

8. **Q. Are GMH Parts and Accessories covered by warranties?**

   A. If you purchase a GMH Part or Accessory from an Authorised GMH Dealer it will be warranted by that Dealer under the GMH Parts and Accessories Warranty against defects in materials or workmanship for a period of 12 months from the date on which you purchased it. In the case of a GMH Part or Accessory which has been installed in a vehicle by a GMH Dealer or Service Dealer it will be warranted for a period of 12 months or a distance of 20,000 kms from the date of installation, whichever occurs first.

   Maintenance items such as filters, spark plugs, wiper blades and brake pads/linings will require replacement as part of normal vehicle maintenance. Such replacements are not the subject of this warranty.

9. **Q. What should I do if I have any problems in obtaining GMH Warranty Service?**

   A. If you encounter any problems in obtaining GMH Warranty Service you should firstly discuss your problems with the Service Manager of the Servicing Dealer. If you cannot resolve your problem with the Service Manager then try and resolve it with the Dealer himself. If you still have a problem at this stage then you should contact the GMH Owner Relations Manager in your State. The addresses of these Owner Relations Managers are listed in Section 4 of this handbook.

SECTION 1B SAFER MOTORING — PRECAUTIONS

This handbook contains many CAUTION notices which are there to help safeguard yourself and your vehicle.

Please read these notices carefully and follow all instructions given.

Several safety items, including some which appear later in this handbook, are presented here as a safety summary. For a more detailed explanation of some items, refer to the appropriate section of this handbook.

ENGINE EXHAUST GAS

Avoid inhaling exhaust gases because they contain carbon monoxide, which is a dangerous gas that can cause unconsciousness and is potentially lethal.

DO NOT RUN THE ENGINE IN AN ENCLOSED AREA SUCH AS THE GARAGE ANY LONGER THAN IS NEEDED TO MOVE THE VEHICLE.

DO NOT SIT IN A PARKED VEHICLE FOR ANY EXTENDED PERIOD OF TIME WITH THE ENGINE RUNNING.

If at any time you think exhaust fumes are entering the car, have the cause determined and corrected as soon as possible.

SEAT BELTS

Various road laws require the wearing of seat belts. It is important that the habit of using these should be developed by yourself and others in the vehicle. In the interest of safety, seat belts should be checked regularly. Your Dealer will inspect and check the belts for you as part of the normal Maintenance Service. Never attempt to modify or change the seat belt away from the original specification as this will affect the operation of the belts and reduce their effectiveness in preventing injury in an accident.

ANTI-THEFT IGNITION STEERING LOCK

DO NOT turn the ignition switch away from the ON position while the vehicle is in motion as this renders ineffective any power assisted equipment fitted to your vehicle.

Never remove the key while the vehicle is in motion as this will lock the steering of the vehicle and render it inoperative.

BRAKES

Driving through water may affect performance. Applying the brakes lightly will indicate whether they have been affected. To dry them quickly, lightly apply the brakes while maintaining a slow forward speed with an assured clear distance ahead until brake performance returns to normal.

Brake pedal travel should not be obstructed by ill-fitting floor mats or any other material under the pedal which causes interference with normal pedal movement.

Also your seat should be positioned so that you can reach the brake pedal satisfactorily under all braking conditions.

Power Assisted Brakes

Power assisted brakes which are fitted to your vehicle utilise vacuum from the engine when it is running. Never let the vehicle run down steep grades without the engine running. **Never** coast with the engine switched off.

COOLING SYSTEM

DO NOT REMOVE THE RADIATOR CAP IF THE ENGINE AND RADIATOR ARE HOT.

After the engine has cooled sufficiently the cap should be rotated to the first stop, which permits the pressure to release slowly through the overflow pipe. Before doing this, cover the cap with an old rag or cloth to avoid possible scalding.

Temperature Controlled Electric Radiator Cooling Fan

When working around the engine compartment with the engine running, keep clear of the fan as it may start operating without warning.

HIGH ENERGY IGNITION SYSTEM

Engines fitted with High Energy Ignition Systems can produce high tension voltages in the primary and secondary circuits which are dangerous. Any work carried out must be done with utmost care. Before removing or refitting any parts or electrical connections, ensure that the ignition system is switched off and the battery disconnected.

Care should be taken when servicing, to avoid contact with conductive parts to avoid severe electrical shock.

PARKING

When leaving your vehicle unattended:

1. Apply the parking brake.
2. Shift transmission selector as follows:
   Manual Transmission — If car is facing downhill, place in Reverse gear.
   — If car is facing uphill, place in First gear.
   Automatic Transmission — Place in 'Park'.
3. Turn ignition key to Lock and remove key.
4. Shut all windows and lock all doors.

Be careful where you park or drive. As with any vehicle, do not park or operate this vehicle in areas where combustible materials such as dry grass or leaves can come in contact with a hot exhaust system.

TYRE TRACTION

A decrease in driving, cornering and braking traction occurs when water, snow, ice, gravel or other material is on the road surface. Driving practices and vehicle speed should be adjusted to the road conditions.

LOOSE ARTICLES

Do not leave loose articles or luggage in the passenger compartment. Whenever possible, stow articles in the luggage compartment.

VEHICLE BATTERY

Batteries emit an explosive gas mixture which may be ignited by sparks or naked flames. You should therefore keep sparks and flames away from the battery at all times and never smoke near a battery.

Batteries contain sulphuric acid. If acid contacts skin or clothing, flush immediately with lots of water. In case of eye contact, flush with lots of water and contact a doctor immediately.

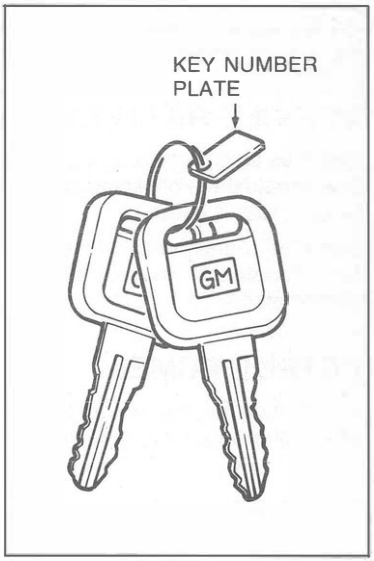
PETROL FUMES

Always stop the engine and do not smoke or allow open flames or sparks near the vehicle when refuelling. If petrol fumes are noticed while driving, the cause should be determined and corrected without delay.

SECTION 1C GENERAL EXTERIOR/ INTERIOR ITEMS

KEYS

Two identical keys are provided which can operate all the locks on your vehicle. Keep one of the keys as a spare. The key code is stamped on a metal plate attached to the key ring.



For vehicle security:

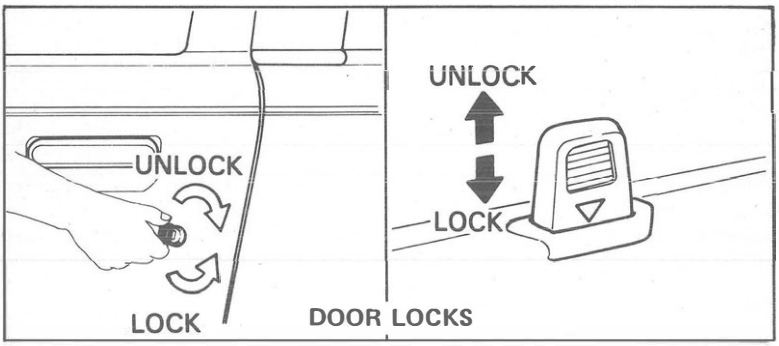
- Record the key code numbers.
- Keep the key codes and key number plate in a safe place (such as your wallet), NOT IN THE VEHICLE

If the original keys are lost, duplicates can be made using the key codes. Contact any GMH Dealer.

It's a good idea to carry an extra key in your wallet or purse, should you accidentally lock your regular keys in the vehicle.

For security reasons never put your name and address on your key holder if it also contains your house keys.

DOOR LOCKS



Doors may be locked from outside the vehicle by inserting the key into the door lock and turning. To unlock, turn counterclockwise for the right door and clockwise for the left door. To lock, turn the key in the opposite direction.

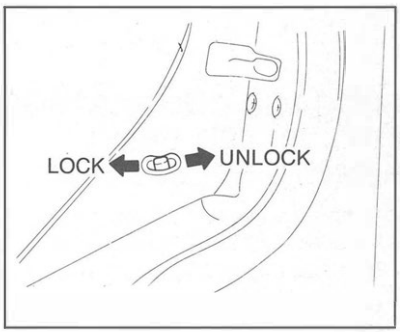
The doors can be locked from the inside by pushing the door lock knob downwards. If the triangle mark on the door lock knob is visible the door is unlocked. Front doors can be locked from the outside by pushing the door lock knob down and closing the door with the outside handle pulled.

Rear doors are locked in the same way except it is not necessary to keep the outside handle pulled.

All models have as a standard safety feature overriding door locks. When the doors are locked, the door latch mechanism is inoperative, preventing inadvertent opening of the door by movement of the inside handle.

Rear 'Child Proof' Door Locks

This added safety feature is built into both rear door locks. To operate it slide the lever to the left as far as it will go and close the door. The door cannot be opened from inside, regardless of the locking position. To unlock, open the door from outside and slide the lever to the right.

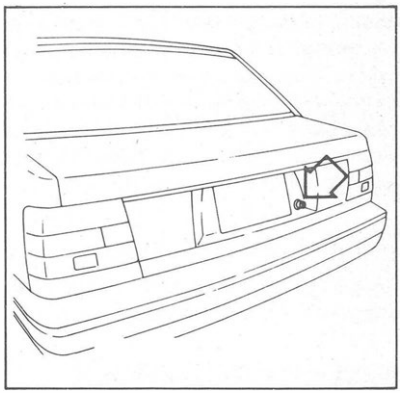


CAUTION: For safety, you should check that the lock is operating correctly, after setting, by attempting to open the door from the inside of the vehicle.

Luggage Compartment Lock

To unlock, insert key and turn in clockwise direction. The lid will open automatically. The lid locks automatically when pushed shut.

The luggage compartment light (where fitted) will come on and go off with the opening and closing of the compartment lid.



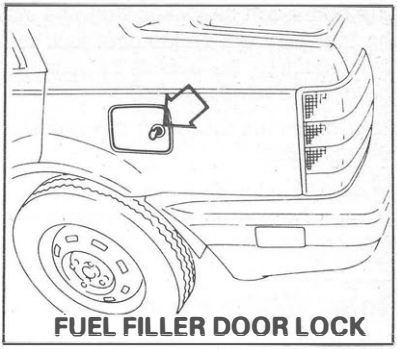
CAUTION: To prevent entry of dangerous exhaust fumes into the passenger compartment, the luggage compartment lid should be closed during vehicle operation. However, if it is necessary to leave the lid open while transporting bulky cargo, all windows must be closed to avoid vacuum build-up. Open fresh air heater vents and switch to highest blower speed.

Fuel Filler Door Lock

The vehicle is equipped with a lockable fuel filler door.

Use the key to unlock this door.

To close this door, simply push it shut. The key is not required to lock this door.

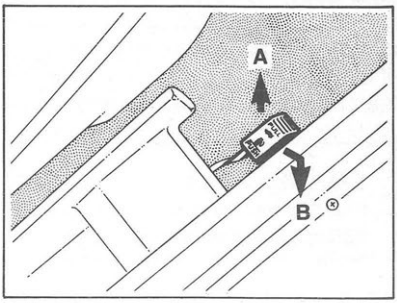


FUEL FILLER DOOR LOCK

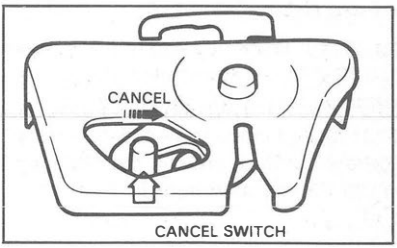
LUGGAGE COMPARTMENT/ FUEL FILLER DOOR REMOTE RELEASE (where fitted)

This lever is situated on the floor between the driver's seat and the driver's door.

- To open luggage compartment — pull lever up (Direction A).
- To open fuel filler door — slide lever to the right then press down (Direction B).



Models equipped with this remote release also incorporate a luggage compartment 'CANCEL' switch. The cancel switch is located in the compartment lid lock assembly. If you want to cancel the luggage compartment remote release set the lever to the 'CANCEL' position. The lid can then only be opened with the key.



CANCEL SWITCH

Glove Compartment

To open glove compartment lid turn the knob anticlockwise. To close push lid firmly back into place. This will engage the catch.

WINDOW CONTROLS

The door windows are lowered or raised by turning the winders which are fitted to each door.

REARVIEW MIRRORS

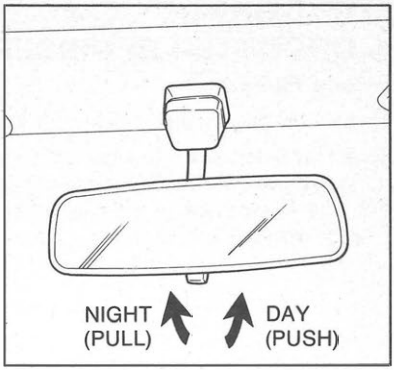
Adjust the outside and inside mirrors before driving. For safe driving, rear vision must be unimpaired. Observe State regulations regarding rear view mirrors for vehicles towing a trailer.

Inside Mirror

This is shatter-resistant, and mounted in such a way that it can be knocked out in case of accident to reduce the risk of injury.

A control lever on the lower edge of the mirror enables an anti-glare reflector to be used during night driving. This reduces headlamp glare from following vehicles.

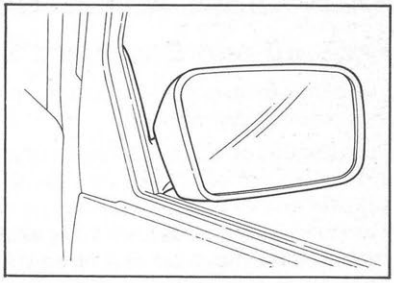
During normal daylight operation, the lever should be set forward away from driver. To reduce glare at night, move the lever backwards towards driver.



Outside Mirror — Manual

This mirror is hinged to allow it to be knocked without causing injury to pedestrians.

The mirror may be adjusted by manipulating the mirror casing directly.

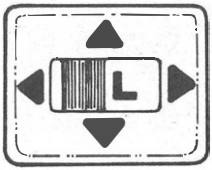


Outside Mirror — Electric

(Where Fitted)

Adjustment of these mirrors is achieved via a remote control switch mounted on the lower right hand side of the instrument panel.

Left/Right mirror selection is by means of a toggle switch located centrally within the main switch. Mirror adjustment is achieved by depressing the main multi position switch in the direction indicated by the arrows. To operate the mirrors the ignition key should be in the 'ACC' or 'ON' position.



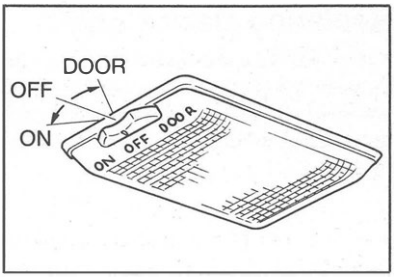
DOME LIGHT

The dome light is operative at any starter switch position.

"OFF": The light remains out.

"DOOR": The light turns on when any of the doors is opened.

"ON": The light turns on regardless of the door position.

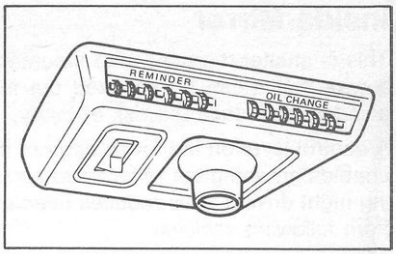


MAP LIGHT & ODOMETER REMINDER

(Where Fitted)

To turn on the maplight, push the switch.

To set the Odometer Reminder device, rotate the thumbwheels until the desired reading is obtained. Use this device to indicate when next oil change service, etc. is due.

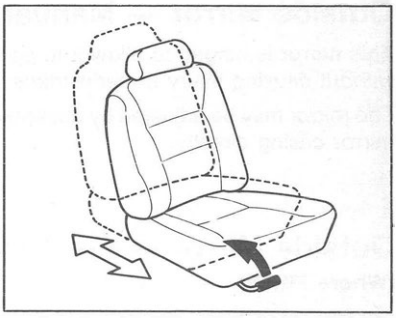


FRONT SEAT ADJUSTMENT

Forward and Backward Setting

The seat can be moved forward or rearward for most comfortable position.

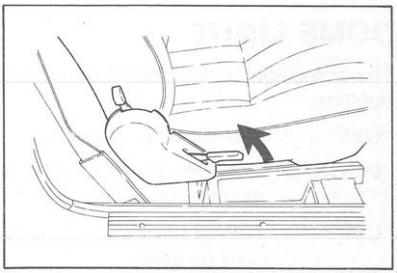
Pull upwards on the adjust lever, located at the front lower part of the seat, to release the seat adjuster lock so that the seat can be moved forward or rearward as desired. After adjusting the seat position, move the seat forward and backward to ensure the seat adjusters are fully engaged.



CAUTION: Do not adjust the driver's seat while the vehicle is moving. The seat could move suddenly and cause the driver to lose control of the vehicle.

Reclining Back Control

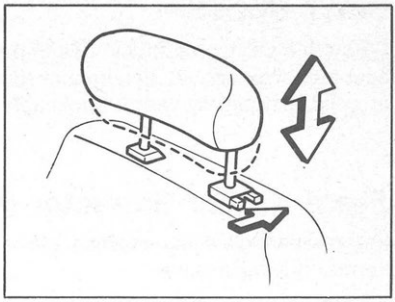
Front seat back inclination angle can be adjusted by raising adjust lever on door side of seat. Raise the lever and adjust the angle. The seat back will automatically lock into place once the lever is released.



Head-Restraint

This safety feature is for the reduction of possible injury that may result from a whip-lash neck movement following a vehicle collision.

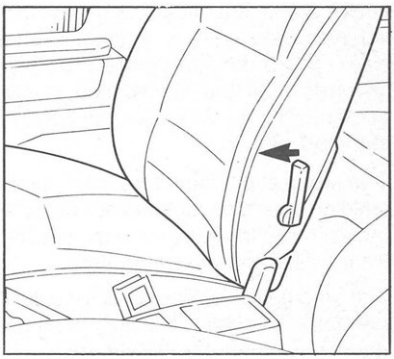
To raise the head restraint just slide it up. To lower the head restraint, squeeze the locking device and push it down.



Lumbar Support (Where Fitted)

This feature is fitted to the driver's seat only and is adjusted by moving the lever situated on the side of the seat back.

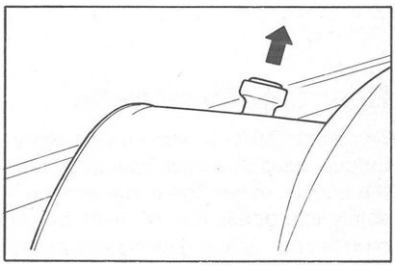
Adjust to obtain degree of firmness required for back support.



FOLDING REAR SEATS

Your Gemini is equipped with a split folding rear seatback which is NOT designed to lay flat, but does provide additional load floor storage area when lowered.

The seatback has knobs on both the right and left sides which allow either side to be folded down separately. To unlock the seatback from the upright position, pull and hold the knob up while moving the seatback forwards. When returning to the upright position, pull the seatback upright and push into place.

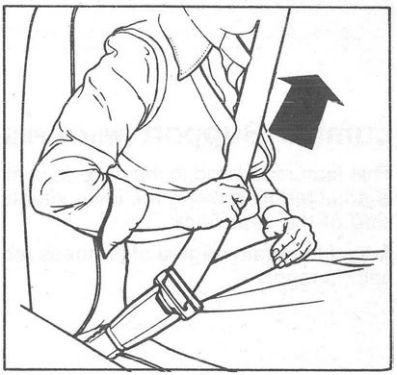


Check now and then to see if the latches on the folding rear seat or seats work properly. To do this, push forward and pull rearward on the top of each seatback. Seatbacks that do not latch properly in the upright position must be repaired because they could cause injury in a sudden stop.

SEAT BELTS

Study this section carefully. It is important that you understand how to correctly wear a seat belt. You should also ensure that all occupants wear a properly adjusted seat belt or child restraint system if applicable, whenever the vehicle is moving.

Front & Rear Retractor Belts



Before wearing a seat belt adjust the seat to your normal driving position.

To put on a retractor seat belt, pull the metal tongue across your body and clip it into the buckle. When the metal tongue has locked safely into place you will hear a "click". To take up any slack, grasp the sash part of the belt and pull upwards until the lap section is fitting firmly across your hips. Any extra belt length will retract automatically.

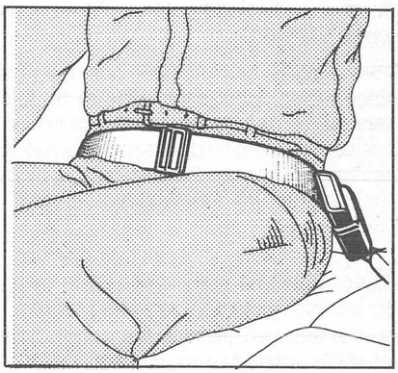
The lap section should be worn as low as possible on your hips, not on your waist. Make sure the sash and lap sections of the seat belt are free from twists and are fitting firmly.

The emergency-locking retractor belt allows you to move freely while the vehicle is travelling normally. The belt will lock immediately on fast braking, impact with a solid object or any quick movement by the wearer.

NOTE: The belt may also lock-up if the vehicle is on a steep incline. It will become free again on level ground.

To unfasten the belt press the release button on the buckle.

Rear Lap-Type Belts



To adjust: Settle yourself comfortably. Bring the tongue adjuster across your body and clip it into the buckle. When the metal tongue has locked safely into place you will hear a "click". Make sure the belt is fitting firmly across the lower hip area and not across your waist.

To shorten: Tilt the tongue adjuster and pull the belt through the belt adjuster.

To lengthen: Tilt the tongue adjuster and pull the belt from just below the finger grip bar.

To unfasten the belt, press the release button on the buckle.

Maintenance of Seat Belts

- Check seat belts regularly. Replace the belts if they become frayed or damaged. The buckle and retractor mechanism operations should also be checked. Your GM-H Dealer will do these things as part of the Scheduled Maintenance Services.
- Seat belts must be replaced if they have been in use during a severe impact — even if there is no obvious damage.
- Clean belts only with a solution of mild soap and lukewarm water. Do not try to bleach or re-dye the belts.
- Do not allow the belts to retract until they are completely dry.

WARNING: Seat belts are designed to bear upon the bony structure of the body, and should be worn low across the front of the pelvis, or the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided.

Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. A slack belt will greatly reduce the protection afforded to the wearer.

Care should be taken to avoid contamination of the webbing with polishes, oils and chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water. The belt should be replaced if webbing becomes frayed, contaminated or damaged.

It is essential to replace the entire assembly after it has been worn in a severe impact even if damage to the assembly is not obvious.

Belts should not be worn with straps twisted.

Each seat belt assembly must only be used by one occupant; it is dangerous to put a belt around a child being carried on the occupant's lap.

No modifications or additions should be made by the user which will either prevent the seat belt adjusting devices from operating to remove slack, or prevent the seat belt assembly from being adjusted to remove slack.

The positioning of the tongue restrictor must never interfere with or stop the belt from fully retracting.

INFANT AND CHILD RESTRAINTS

CHILDREN OF ANY AGE SHOULD BE RESTRAINED AT ALL TIMES WHEN RIDING IN A MOTOR VEHICLE.

- INFANTS UNABLE TO SIT BY THEMSELVES should be carried in a padded bassinet or carry basket placed across the rear seat. A suitable type of bassinet restraint system should be used.
- YOUNG CHILDREN ABLE TO SIT UP should be restrained in an approved child restraint.
- OLDER CHILDREN who have outgrown the child restraint should use the regular seat belts.

Where children are restrained with the regular seat belt and it is desired to raise their seating position this is to be done only by means of a support which is retained by the belt. NEVER USE A LOOSE CUSHION AS THIS COULD ALLOW SERIOUS INJURY IN THE CASE OF VEHICLE COLLISION.

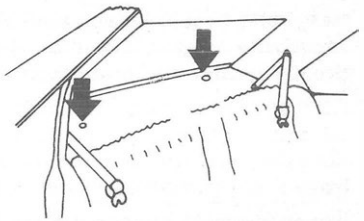
Child Restraint Anchorages

WARNING: Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seat belts or harnesses.

Your Gemini is fitted with upper anchorage points for child restraints and these are located on the rear window ledge as shown in the illustration.

To establish the location of these anchorages, open the luggage compartment lid and note the position of the two nuts weided to the underside of the rear window ledge. Next, insert a pointed instrument through the weld nut and slit the carpet covering the window ledge. Upper restraints can then be installed with the correct anchor bolts as specified by the Child Restraint Manufacturer.

Only approved child restraint harnesses should be used on anchorage points. See your GM-H Dealer for advice about the various types of approved child restraints available.



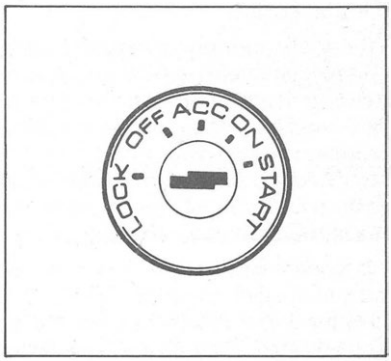
LOCATION OF CHILD RESTRAINT UPPER ANCHORAGES (2)

The GM Child Love Seat is designed for children weighing 9 to 19 kg, up to 1 metre in height, who are able to sit up alone.

SECTION 1D STEERING COLUMN CONTROLS

IGNITION LOCK

This is an anti-theft lock and is situated on the right side of the steering column. It has five positions.



LOCK — The key can be inserted or removed only when the switch is in this position. This is the normal parking position, and locks the ignition and the steering wheel when the key is removed.

OFF — Permits turning the engine off without locking the steering wheel.

ACC — This allows you to use the electrical components — lighter, radio, etc. — when the engine is not running. To reduce battery discharge, switch off all non essential components.

ON — Normal operating position. The ignition circuit and the electrically operated instruments are energised.

START — This cranks the engine. Immediately the engine starts take your hand off the key and allow it to return to **ON** position.

CAUTION: Do not turn the engine off while the vehicle is in motion as this renders ineffective any power assisted equipment operated off the engine. Never remove the key while the vehicle is in motion as this will lock the steering of the vehicle.

NOTE: If the steering lock is difficult to disengage when the vehicle has been parked with the tyres hard up against the kerb or with the steering wheel off-centre it may be necessary to rotate the steering wheel slightly to free up the ignition steering lock.

HAZARD WARNING SWITCH

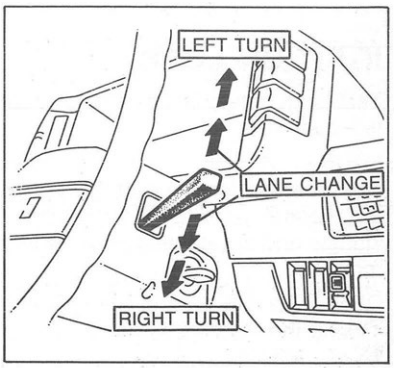
This is the button located on the upper side of the steering column shroud.

The operation and use of the hazard warning flasher is covered in 'In Case of Emergency' Section 3.

TURN-SIGNAL/HEADLIGHT DIPPING LEVER

The turn signal lever on the right side of the steering column also operates the headlight high beam and low beam.

Turn Signal & Lane Changing

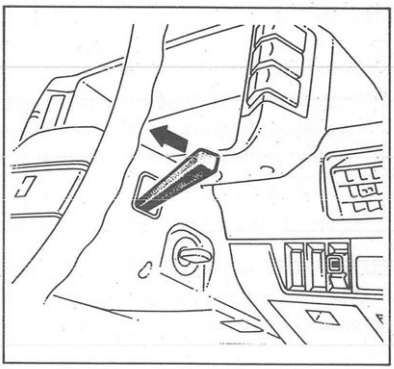


To signal a left turn push the lever right up. To signal a right turn push the lever right down. When the turn is completed, the signal will cancel automatically and the lever will return to the neutral position.

The green turn signal indicator lights mounted in the intsrument panel are designed to flash to tell you that the front and rear turn signal lights are working. They are accompanied by an audible clicking sound. If the green indicator lights do not flash, start to flash slower or faster than usual or if you cannot hear them clicking have them checked promptly.

To signal a lane change, move the lever only part way in the direction of turn till the indicator light flashes and hold it there while the lane change is completed. The signal will automatically cancel when the grip on the lever is released.

Headlight Dipping



With the headlights on, pull the lever towards you until you hear a click, then release it.

The lights will change from low-beam to high-beam or from high-beam to low-beam. When the headlights are on high-beam a light located on the instrument panel will glow.

It is also possible to flash the high beam for signalling purposes without operating the light switch by pulling the lever towards you. Upon release, the high beams will cease to operate.

HORN

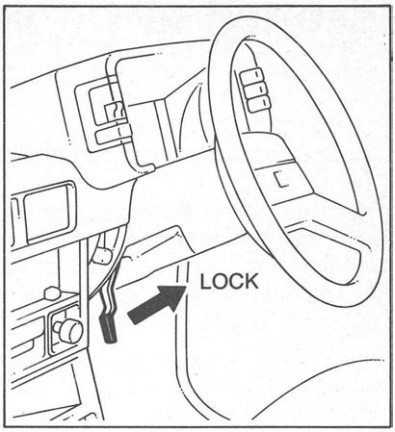
The horn is operated by pressing down on the pad located at the centre of the steering wheel. The horn does not require insertion of the ignition key to operate.

TILTING STEERING WHEEL

(Where Fitted)

To set the steering wheel to the desired angle, pull the lock lever down, move the wheel up or down and lock in position by pushing the lock lever up as far as it will go.

Always check that the tilting mechanism is locked, by trying to move the steering wheel up and down.



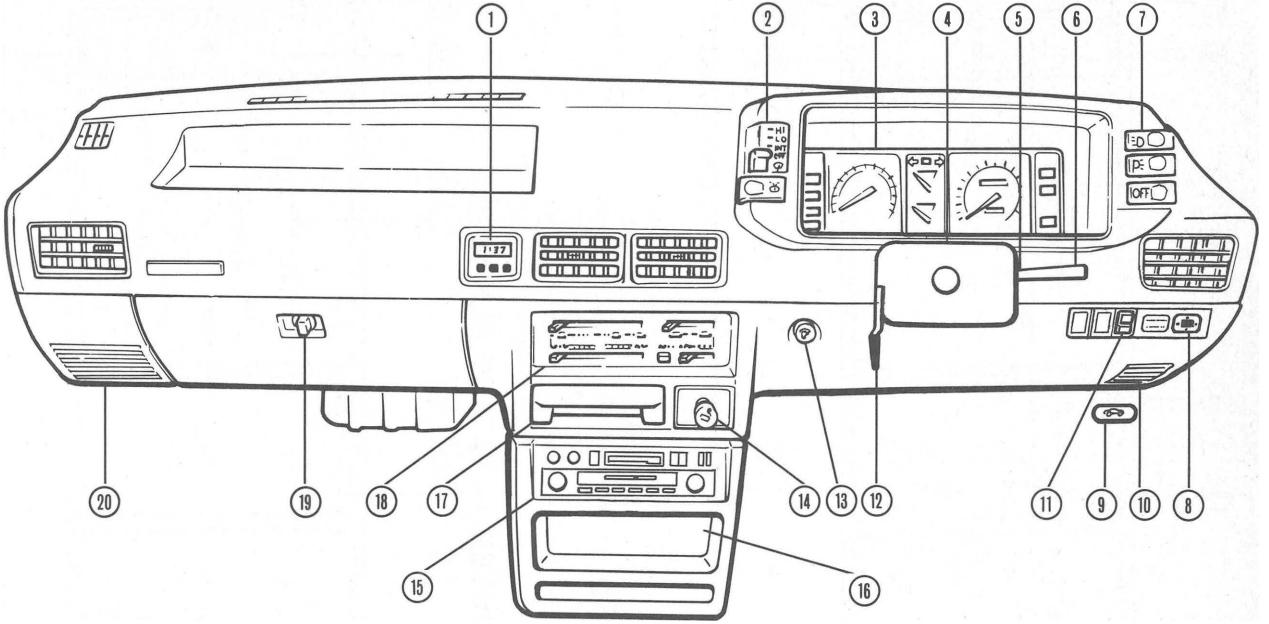
POWER STEERING (Where Fitted)

This system has been designed to reduce steering effort. It uses hydraulic pressure to lighten steering loads and is designed so that "road feel" is retained. Care should be taken not to hold a turning force on the steering wheel when stationary (i.e. when waiting before turning a corner, etc.) as this creates unnecessary, high operating pressures within the system.

If the power steering is rendered ineffective because the engine has stalled, the drive belt broken or if the pump reservoir is empty of fluid, the car can still be steered. However, due to the much greater effort required to steer, it is recommended that you have the problem fixed promptly.

SECTION 1E INSTRUMENT PANEL AND CONTROLS

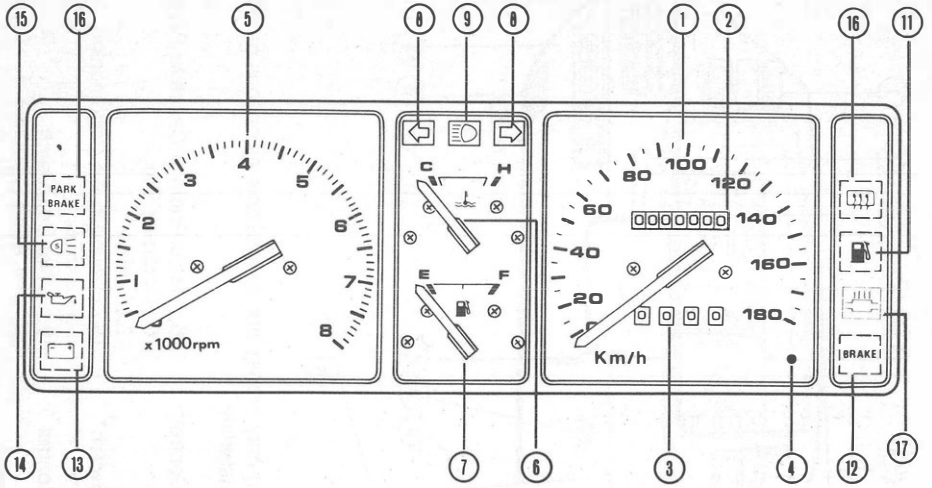
The instrument panel contains instruments, indicators, and controls necessary for the operation of many of the standard and accessory features. Review the instructions and illustrations contained in this section to acquaint yourself with the proper use of these instruments and controls. Glance at the instruments occasionally whilst driving to see if any indicator light is on, and to see that all meters and gauges are within the proper ranges.



NOTE: Some instruments and controls are standard on certain models and may or may not be available as options on other models. Fittings which are not found on all models are denoted with an asterisk*.

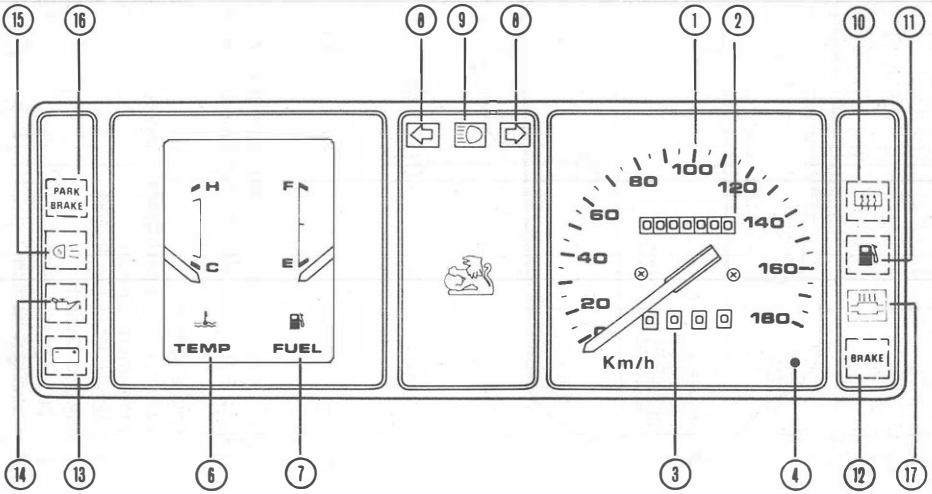
1. Digital Clock*
2. Windscreen Wiper/Washer Switch
3. Instrument Cluster
4. Hazard Warning Switch
5. Ignition Switch
6. Turn Signal Lever
7. Headlight Switch
8. Outside Mirror — Electric Control*
9. Engine Hood Release
10. Right Hand Speaker*
11. Rear Window Demister Switch*
12. Steering Wheel Tilt Lock*
13. Instrument Illumination Control
14. Cigarette Lighter
15. Radio/Radio & Cassette Player*
16. Oddment Box
17. Ashtray
18. Heating & Air Conditioning Controls
19. Glove Box Catch
20. Left Hand Speaker*

INSTRUMENT CLUSTER — SL/E Models



1. Speedometer
2. Odometer
3. Tripmeter
4. Tripmeter Reset Button
5. Tachometer
6. Coolant Temperature Gauge
7. Fuel Gauge
8. Turn Signal Indicators
9. High Beam Indicator
10. Rear Window Demister Indicator (except SL)
11. Low Fuel Indicator
12. Brake Fluid Level Warning
13. Generator Warning Light
14. Oil Pressure Warning Light
15. Stop Light Indicator Light
16. Park Brake Warning Light
17. Catalytic Converter Warning Light

INSTRUMENT CLUSTER — SL & SL/X Models



SPEEDOMETER

The speedometer which indicates vehicle speed is calibrated from 0 to 180 kilometres per hour (km/h).

ODOMETER

The odometer is incorporated into the speedometer face and records accumulated distance travelled in kilometres.

TRIPMETER

A Tripmeter, which is also set into the speedometer face is used to record the distance travelled on a particular trip (up to 999.9 km).

TRIPMETER RESET BUTTON

The Tripmeter is set to zero by the push button.

TACHOMETER (where fitted)

The tachometer records engine speed in revolutions per minute (r.p.m.) and is graduated from 0 to 8000 r.p.m. The section from 6,000 r.p.m. upwards is indicated in RED and **continued or sustained operation in this section could cause serious engine damage.**

COOLANT TEMPERATURE GAUGE

This gauge is calibrated to indicate the relative operating temperature of the engine cooling system.

Under most driving conditions the needle will remain within the operating band in the centre of the gauge.

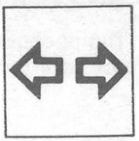
Stop/start driving in heavy traffic, driving at sustained high speeds in warm weather, hill climbing or towing a trailer may cause the needle to move towards the "H". This is not dangerous. However, if the needle should move all the way to "H" position and remain there for more than 30 seconds, this signals an engine overheat condition and therefore you should stop the car as soon as it is safe to do so. Leave the engine idling whilst checking that the electric cooling fan is operating. If the needle does not return to the normal position within this time, stop the engine and inspect the cooling system according to the instructions given in Section 3 under "Engine Overheating".

FUEL GAUGE

When the ignition key is turned to 'ON' the fuel gauge will indicate the approximate amount of fuel in the tank. The graduation marks are F (full), E (empty) and a mid range graduation. Refer to Specifications, Section 6 for the Fuel Tank Capacity.

WARNING AND INDICATOR LIGHTS

Turn Signal Indicator Light



There are two arrow-head turn signal indicators which glow green when they are activated. The appropriate indicator will flash in the direction signalled by the turn signal lever.

Both green arrow-head turn signal indicators will flash continuously when the Hazard Warning Flasher button located on the top side of the steering column cover is depressed. (Refer Section 3 "In Case of Emergency".)

High Beam Indicator Light

When the headlamps are on high-beam a blue signal located in between the turn signal indicators will glow.

PARKING BRAKE WARNING

With the ignition switch in the 'ON' position and the parking brake applied, the warning light should glow red until the parking brake is fully released. If it does not glow, check the electrical system for a burned out bulb or an open circuit.

BRAKE FLUID LEVEL INDICATOR LIGHT

This light turns on when the brake fluid in the reservoir is lower than the specified level, with the ignition switch in 'ON' position.

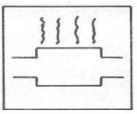
If this light turns on while you are driving, stop the vehicle immediately and check the level of the brake fluid in the reservoir. If the level is low, do not proceed until the reason for the low level has been located and rectified.

To check that the electrical circuit is functioning, this light will glow during engine cranking. Have the system repaired if the light does not come on when it should.

GENERATOR WARNING

This red symbol will glow when the ignition switch is turned to the 'ON' position. After the engine has been started, the light will turn off. If the light should glow while the engine is running it indicates that the generator is not charging. You should stop the engine and check the generator drive belt for looseness or breakage. If the belt is okay, there is a problem somewhere in the charging system. The problem should be corrected as soon as possible before the battery becomes discharged.

Catalytic Converter Warning Light



If this light turns on while driving, stop immediately and turn off the engine, being careful not to park over dry grass or other highly flammable material. Raise the bonnet and wait for the engine to cool naturally. If, when you restart the engine the light has gone out, resume driving at a reduced speed for a few kilometres. If the light remains out, during this time you may resume your normal driving speed. However, if the light comes back on again after the engine is restarted or, comes on while driving slowly you must take your car immediately to the nearest GM-H dealer.

Oil Pressure Warning Light

When the ignition key is turned to the 'ON' position the oil pressure warning lamp will glow red. After the engine has been started, the light will go out.

If the oil pressure drops below a safe working pressure the light will come on. If the light glows steadily while driving, stop the engine and check the lubrication system to locate the cause of the trouble.

The light may flicker at idle or for a few seconds after a sudden stop. This is not harmful.

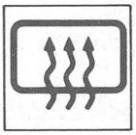
Low Fuel Warning Light (Where Fitted)

The Low Fuel warning light will come on when the amount of fuel in the tank drops below **5 litres** approximately.

Stop Light Bulb Indicator Light

The light turns on when the stop light circuit becomes inoperative. When light bulb replacement becomes necessary, use a bulb of specified voltage and wattage.

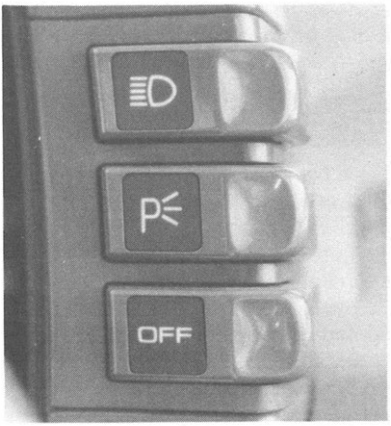
Rear Window Demister Light (Where Fitted)



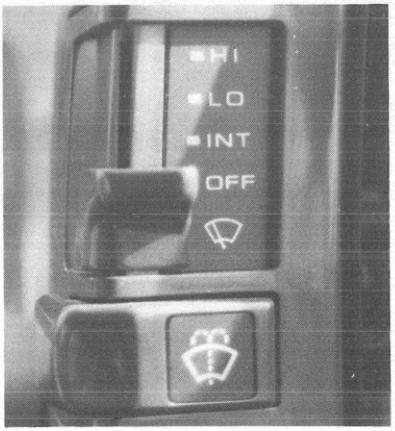
This light turns on to indicate that the rear window electric heating element is switched on.

HEADLIGHT & PARKING LIGHT SWITCHES

1. Depressing the top switch will operate the headlights, parking lights, tail lights and licence plate lights.
2. Depressing the centre switch will operate the parking lights, tail lights and licence plate lights.
3. Depressing the bottom switch will turn off whichever of the other two switches is in operation.



WINDSCREEN WIPER AND WASHER



To operate windscreen wipers turn the ignition to either 'ACC' or 'ON' position and slide the switch to one of the following positions:

INT — (Where Fitted)
The wipers will sweep once across the screen and return to their rest position repeating this cycle every few seconds.

LO — Slow speed.

HI — Fast speed.

NOTICE: Do not operate the wipers if the windshield is dry. They may scratch the windshield glass. Also, do not operate wipers if they are caked with snow or frozen to the windshield as this may damage the wiper system.

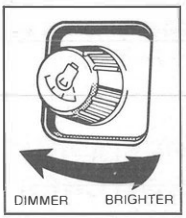
Windscreen Washer

Press the washer button under the wiper switch to operate the washer.

If the vehicle is equipped with intermittent wipers the wiper will move at this time.

The washer will operate as long as the button is held down. The wipers will stop shortly after the button is released.

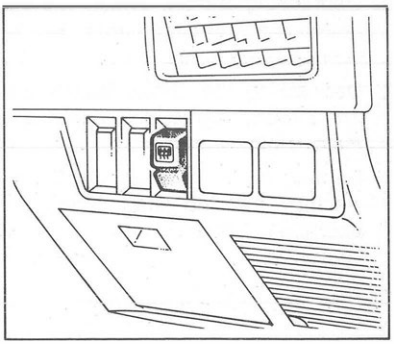
INSTRUMENT LIGHTING CONTROL



The brightness of the instrument lighting may be controlled by rotating the dimmer control located on the lower dash panel to the left of the steering column. This control only operates when the light switch is in one of the 'ON' positions.

Rear Window Demister Switch

(Where Fitted)

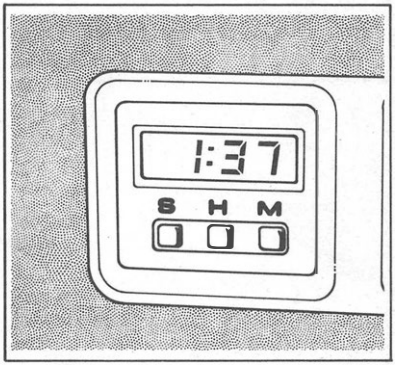


The electrically heated rear window operates with the ignition in the 'ON' position. To switch on, depress the switch located to the right of the ignition lock. An indicator light located in the instrument panel will glow when the heater is on. To avoid overloading the electrical system the heated rear window should only stay switched on until the rear window is clear. When cleaning the heated rear window take care not to damage the heating element.

CIGARETTE LIGHTER

The cigarette lighter is activated only when the ignition switch is in the 'ON' or 'ACC' positions. To operate, simply press in the lighter knob. It will stay in until the element is hot at which time the lighter will automatically pop back to its original position ready for use.

DIGITAL CLOCK (Where Fitted)



The time is displayed when the starter switch is in the 'ON' position. To reset the time, push the switches as necessary.

The function of each switch is as follows:

"MIN": The minute indication is advanced rapidly when this switch is pushed.

"HOUR": The hour indication is advanced rapidly when this switch is pushed.

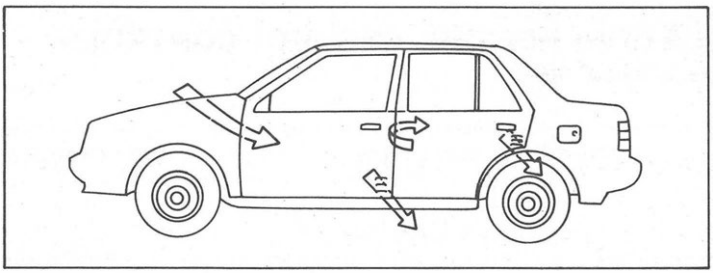
"SET": The minute indication is reset to "O" when this switch is pushed.

When the reset switch is pushed with the minute display indicating between : 01 and : 29 irregardless of the hour indication, the time will be reset to : 00 of the hour displayed.

If the minute display indicates between : 30 and : 59, pushing the reset switch will cause the time to be reset to : 00 of the following hour.

VENTILATION SYSTEM

Your vehicle features a flow-through ventilation system which will operate with all the windows closed.



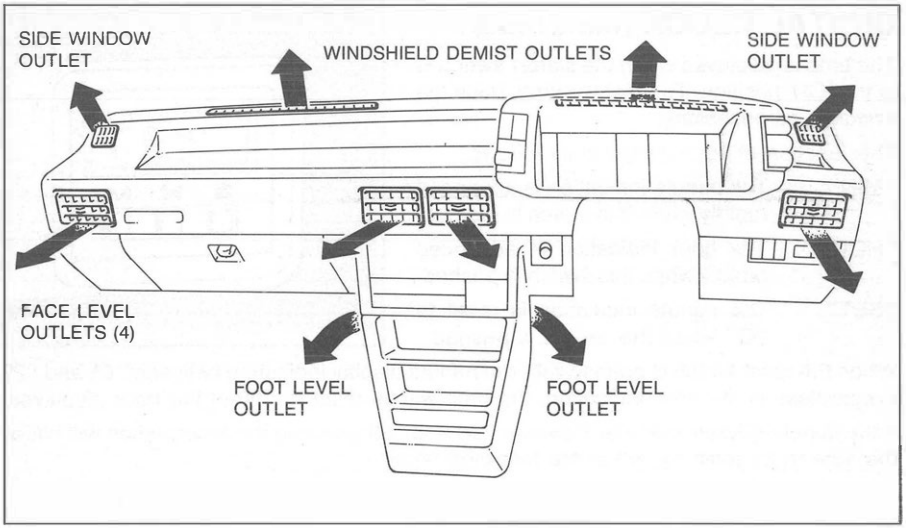
Outside air enters the vehicle through the gap in front of the windshield. It then passes through the heater or air conditioning system (if fitted) and enters the passenger compartment via the various air outlets described under 'Interior Air Outlet Vents'.

After passing through the passenger compartment the stale air is then exhausted from the vehicle through extractor vents. These are located on the rear of each door inner panel.

NOTE: The ventilation system will not work if the air inlet is allowed to become covered or clogged up with leaves, snow, etc. Keep it clean and uncluttered.

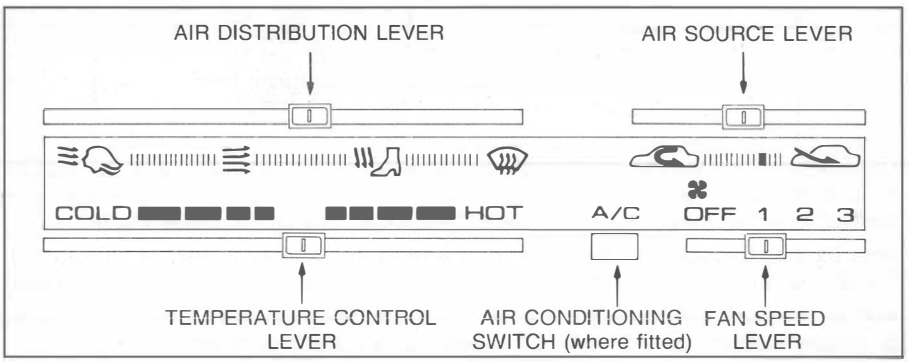
INTERIOR AIR OUTLET VENTS

The various air outlets into the passenger compartment are shown in the illustration. The selection of particular outlets and control of temperature and/or air conditioning of the air is accomplished by operation of the Ventilation & Heater controls. Operation of these controls is described in the following item.



VENTILATION, HEATER, AND A/C* CONTROLS

*** Denotes — where fitted**



• Air Distribution Lever

(FACE) In this position, air is directed through the face level outlet vents. With these vents it is possible to adjust the direction of the air flow.

(BI LEVEL) This position directs air to the face level outlets as well as to the floor outlets. When using BI LEVEL with the temperature lever in an intermediate position and the Air Source Lever in the outside air position, warm air will be directed to the feet and cooler air to the face.

(FLOOR) In this position the main air flow is directed to the floor with a small amount going to the windscreen and side window outlets.

(SCREEN) In this position the air flows mainly to the windscreen and side window outlets with a small amount directed to the floor outlets.

• Air source lever

This lever has two positions:

Outside air position — Use this position for a continuous supply of air from outside the vehicle.
This position is used for most driving conditions.

Recirculated air position — In this position the air inside the vehicle is recirculated continuously whilst the interior fan is operating. This position is recommended for:

- driving in dusty conditions (with all windows wound up) or
- preventing fumes and odours entering or
- maximum cooling with the air conditioning system, particularly when the engine is idling.

If this position is used for extended periods of time you should allow outside air to enter the vehicle occasionally by moving the lever to the outside air position.

• Temperature Control Lever

This lever is used to control the temperature of the air being discharged from the various air outlets.

• Fan Control Lever

The fan control lever has four positions: OFF, 1, 2, & 3, for controlling fan speed thereby controlling the rate at which air flows from the various outlets.

- **Air conditioning switch (where fitted)**

  To operate the air conditioner push the A/C button and move the fan control lever to position 1, 2, or 3.

  NOTE: The air conditioner will not operate with the fan control lever in 'OFF' position.

  A small light in the A/C switch will glow to indicate the air conditioner is switched ON. To switch the air conditioner off, press the A/C button to release it.

Air Conditioner — Operating Notes:

- If your vehicle interior is extremely hot, first drive the vehicle for two or three minutes with all windows open to expel heated interior air. Close the windows as soon as the hot air has been forced out of the vehicle.
- Keep windows closed while the air conditioner is in operation.
- If your vehicle is stopped for long periods in hot weather with the engine running and air conditioner operating move the air source lever to 'RECIRC' for maximum cooling. Also, on vehicles fitted with **automatic transmission,** select NEUTRAL or PARK. This will increase engine speed which in turn aids engine cooling and air conditioner performance.
- Under normal conditions it is recommended that the recirculated air setting be avoided if occupants are smoking as residues from the tobacco smoke adhere to the evaporator and air ducts and will produce stale smelling air during subsequent operation.
- It is recommended that the following procedure be carried out regularly during those periods of the year (e.g. winter) when the air conditioning mode may not normally be utilised:

  Once every two weeks, with the engine running, switch the air conditioner on and run the unit for at least 5-10 minutes.

  This procedure recirculates the oil within the compressor and lubricates compressor shaft seals. This will help to prevent the drying out of the seals with subsequent operating failure of the system.
- CONDENSER CLEANLINESS: Ensure that the condenser and radiator passages are kept clear of dead insects etc. Cleaning with an air hose is preferable, however, a soft bristle brush may be used taking care not to damage the cooling fins.

AM/FM RADIO

This radio, where fitted, has 2 dash mounted speakers.

■ **On-Off Switch/Volume Control '1'**

Before turning radio on, the ignition switch must first be in 'ACC' or 'ON' position.

Turn the control to switch the radio ON. Rotate further to increase volume.

■ **AM/FM Waveband Selector '7'**
To select waveband, AM or FM, depress the button for FM, release for AM.

AM indicator '3' or FM indicator '4' will illuminate.

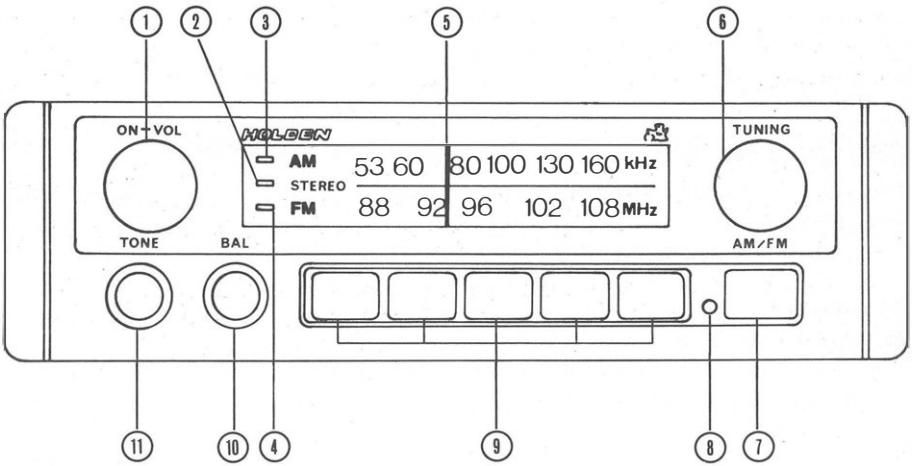
■ **FM Auto Stereo/Mono Selection**
The radio incorporates an in-built Auto-Mono switching circuit.

FM Stereo indicator '2' will light up when an FM Stereo broadcast is being received.

If signals become too weak for proper stereo reception, the mono mode becomes automatically selected.

■ **Manual Tuning Control '6'**
Rotate the knob to tune in the desired station on either AM or FM. Tune it very precisely to the station to obtain best sound quality and minimise noise interference.

■ **Push Button — Preset Tuning '9'**
Push one of the buttons to recall a desired station that has been already preset. Waveband Selector must be set at the position AM or FM, corresponding to each preset station.



1. Power On-Off Switch/Volume Control
2. FM "STEREO" Indicator
3. AM Indicator
4. FM Indicator
5. Dial Pointer
6. Manual Tuning Control
7. Waveband Selector (AM or FM)
8. Antenna Trimmer
9. Push Button — Preset Tuning
10. Balance Control
11. Tone Control

■ **How to set Push Buttons**
Each of the five push buttons may be set to any position on the dial. You may select an AM or FM station for each of the five push buttons. To set the push button, first pull out the push button until it unlocks, then tune in a station manually. Now, push the button firmly all the way in.

Repeat the same procedure for each of the other four push buttons. You may change the station settings as many times as you like.

■ **Antenna Trimmer '8'**
The antenna trimmer must be adjusted at conclusion of installation to insure optimum reception of stations on the AM band. Fully extend antenna. Tune to a weak station in the area of 1300-1400 kHz. Adjust trimmer slightly by turning clockwise or anti-clockwise until maximum volume is attained.

■ **Balance Control '10'**
Rotate to adjust for the desired stereo effect from left to right speakers. The detent indicates the centre of travel of this control.

■ **Tone Control '11'**
Turn to left for low tone and right for high tone.

The detent indicates the centre of travel of this control.

AM/FM STEREO RADIO & CASSETTE PLAYER

This unit, where fitted, has two speakers mounted in the dash and two speakers in the rear parcel shelf.

The ignition key must be in 'ACC' or 'ON' position before the unit can be operated.

To play a tape

■ **On-Off Switch/Volume Control '1'**
Turn the control to switch the unit ON. Rotate further to increase volume.

When power is on, the unit will be in radio reception mode and AM '17' or FM indicator '16' will illuminate.

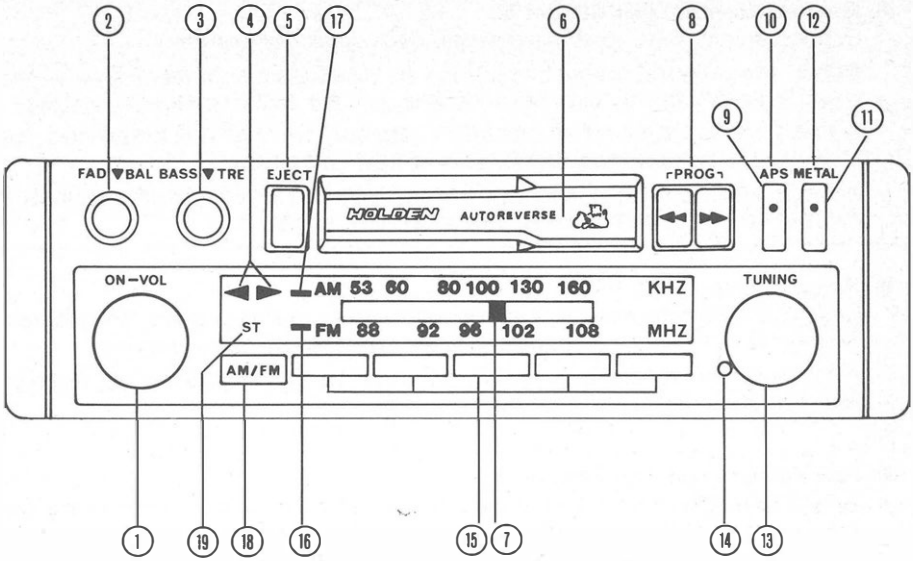
Inserting a cassette will automatically start the player and override radio reception.

■ **Fader/Balance Control '2'**
This control adjusts sound level between front and rear speakers and between left and right speakers to obtain the desired stereo effect.

Rotate the knob to adjust sound level between front and rear speakers (Fader control).

Pull the knob and rotate to adjust sound level between left and right speakers.

The detent indicates the centre of travel of the control.



1. Power On-Off Switch/Volume Control
2. Fader/Balance Control
3. Bass/Treble Control
4. Program Indicators
5. Manual Cassette Eject Button
6. Cassette Door (Slot)
7. Dial Pointer
8. Fast Forward/Fast Rewind Buttons
9. Automatic Program Selection Switch (APS)
10. Automatic Program Selection (APS) Indicator
11. Tape Selection Switch
12. Tape Selection (METAL) Indicator
13. Tuning Knob
14. Antenna Trimmer
15. Push Button — Preset Tuning
16. FM Indicator
17. AM Indicator
18. AM/FM Waveband Selector
19. FM Stereo (ST) Indicator

■ **Bass/Treble Tone Control '3'**

To control the bass, turn the knob to right or left for the desired bass sound.

To control the treble, pull out the knob and turn to right or left for the desired treble sound.

The detent indicates the centre of travel of the control.

■ **Cassette Door '6'**

Insert a cassete with tape opening to your right. The radio mode will then shut off automatically and the cassette will start.

One of the program indicators '4' will light up to show direction of tape travel.

■ **Manual Cassette Eject Button '5'**

Depress the button to eject the cassette. Radio mode will resume.

NOTE: The player is designed to release the pinchrollers from the tape when the power is turned off. The cassette will stay in the unit until it is manually ejected.

DO NOT TRY TO EJECT THE CASSETTE IMMEDIATELY AFTER INSERTION, AS IT WILL CAUSE MALFUNCTION. WAIT A FEW SECONDS.

DO NOT TRY TO INSERT A CASSETTE WITHOUT CONFIRMING IF THERE IS A CASSETTE STILL IN THE UNIT. LOOK AT THE SLOT.

■ **Program Selector '8' PROG**

Depress both buttons marked ◄◄ ►► evenly to change the program. The program indicator '4' will change to indicate in which direction the tape is moving.

At the end of the cassette tape, the direction of the tape travel automatically reverses and then continues to play the other side.

■ **Fast Forward and Fast Rewind '8'**

For fast forward operation, fully depress the marked button which corresponds to the direction of whichever program indicator arrow '4' is illuminated.

For fast reverse, press the marked button which corresponds to the direction opposite that shown by the illuminated indicator arrow.

To release fast forward or fast rewind, depress the button still protruding.

If one of the buttons is kept depressed until tape is fully wound up to the end of tape, the tape will automatically start playing after the direction of tape travel and the program is changed automatically.

■ **Automatic Program Selection APS '9'**

This function detects the unrecorded blanks (more than 4 sec. long) between tape programs and locates the end of the program and then the beginning of the next program in the fast forward mode, or locates the beginning of the program in the fast rewind mode. To operate APS system, first depress APS switch '9' until it locks. APS indicator '10' lights up. Then . . .

Forward APS . . . Depress one of the fast forward/fast rewind buttons '8' corresponding to the direction of the illuminated arrow of one of the program indicators '4'. The tape advances rapidly until it detects the end of the program and the button comes back, to let the unit automatically start playback from the beginning of next program. By repeating the above procedure you can skip over as many programs as you like. To stop APS operation, press again the switch to release it. APS indicator will go out.

Rewind APS . . . . Depress one of the fast forward/fast rewind buttons '8' corresponding to the opposite direction of the illuminated arrow of one of the program indicators '4'. The tape advances rapidly until it detects the beginning of the present program to play it again automatically from the beginning. At the same time the button comes back.

By repeating the above procedure you can skip over in reverse way as many programs as you like.

Pressing the switch again causes operation to stop and APS indicator to go out.

To listen to radio

■ **On/Off Switch/Volume Control '1' ON-VOL**
Turn the knob clockwise to switch radio on. Rotate further to increase volume. If a cassette is playing, depress the eject button '5'. This will eject the cassette and allow the radio mode to operate.

■ **AM/FM Waveband Selector '18'**
To select waveband, AM or FM, depress the button for FM. Release for AM.

AM indicator '17' or FM indicator '15' will illuminate.

■ **Manual Tuning Control '13'**
Rotate the knob left or right to tune in the desired station on either AM or FM. Tune it very precisely to the station to obtain best sound quality and minimum noise interference.

■ **Push Button — Preset Tuning '15'**
Push one of the buttons to recall a desired station that has been already preset. Waveband Selector must be set at the position, AM or FM, corresponding to each preset station.

■ **How to set Push Buttons**
Each of the five push buttons may be set to any position on the dial. You may select any AM or FM station for each of the five push buttons. To set the push button, first pull out the push button until it unlocks, then tune in a station manually. Then, push the button firmly all the way in. That button will always return the dial to that same position and thereby tunes that station each time that button is pushed in. Repeat the same procedure for each of the other four push buttons. You may change the setting as many times as you like.

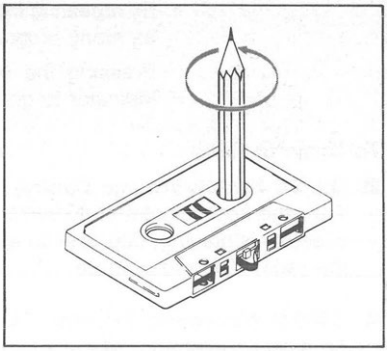
■ Adjust Volume, Bass, Treble and Balance/Fader controls as desired.

■ **FM Auto Stereo/Mono Selection**
The radio incorporates an in-built Auto-Mono switching circuit. FM Stereo indicator '19' will light up when an FM Stereo broadcast is received properly.

If signals become too weak for proper stereo reception, the mono mode becomes automatically selected.

■ **Antenna Trimmer '14'**
The antenna trimmer must be adjusted at conclusion of installation to insure optimum reception of stations on the AM band. Fully extend antenna. Tune to a weak station in the area of 1300-1400 kHz. Adjust trimmer slightly by turning clockwise or anti-clockwise for maximum volume.

Care of Cassette Tapes and Player



- Before inserting a cassette into the player, ensure that there is no excess slack in the tape. If necessary, insert a pencil into the reel hub and rotate it to take up the slack. A small amount of slack will not be detrimental to the tape's operation.
- On the completion of playing a tape, the cassette should be removed and stored in a suitable container.

  Do not leave cassettes on the seat or instrument panel for lengthy periods. Accummulation of dust on the cassettes will ultimately cause damage to both tapes and player mechanism. Wipe any dust off cassettes before playing them.
- Do not expose cassette to direct sunlight. In hot weather it is recommended that you remove the cassette tapes from the vehicle when not in use.
- Use only good quality tapes of no longer than C90 duration.
- To assure trouble free performance it is recommended that the tape head be cleaned and demagnetized at regular intervals. Refer to the separate radio/cassette player instruction booklet in the glovebox for maintenance details and a list of Authorised Service Agents.

ANTENNA

The antenna is located in the driver's side front pillar. To extend it, pull the knob up. Keep the antenna clean by wiping it occasionally with a damp cloth.

SECTION 2

STARTING, DRIVING, LOADING & TRAILER TOWING

EXHAUST GAS WARNING

(Carbon Monoxide Poisoning)

Exhaust gases contain carbon monoxide, a dangerous gas, which can cause unconsciousness and even death to both humans and animals.

You could inhale the gases if the exhaust system on your vehicle is faulty.

To protect against exhaust gas entry into the interior of the vehicle we recommend that the exhaust system and body be thoroughly inspected:

— each time the vehicle is serviced;
— whenever a change is noticed in the sound of the exhaust system or
— whenever the exhaust system, underbody or rear of the vehicle is damaged.

Take the vehicle to your GMH dealer if you think your vehicle needs inspecting for any of the above reasons.

DO NOT SIT IN A PARKED VEHICLE FOR ANY EXTENDED PERIOD OF TIME WITH THE ENGINE RUNNING AND DON'T LEAVE THE CHILDREN OR YOUR PETS IN THE VEHICLE EITHER.

DO NOT RUN THE ENGINE IN AN ENCLOSED AREA SUCH AS THE GARAGE, ANY LONGER THAN IS NEEDED TO MOVE THE VEHICLE.

Driving with the luggage compartment lid open is not recommended. If you must travel with the luggage compartment lid open, close all windows, fully open the ventilation system, turn ventilation fan control to maximum setting and do not exceed 50 km/h unless necessary.

NEW CAR 'RUNNING-IN' PERIOD

There is no need to follow a formal running-in schedule. However, by observing a few simple precautions during the first few hundred kilometres of driving you will add greatly to your vehicle's future performance and economy.

For the first 1500 kilometres it is recommended that you:

- Avoid driving at any one speed — either slow or fast — for any length of time. (The most favourable engine speed during running-in is between 1500 and 4000 rpm in all gears.)
- Avoid operating at higher speeds until the engine has completely warmed up.
- Avoid full throttle starts.
- Don't allow the engine to labour in any gear.

- Avoid extended idling periods.
- Avoid heavy braking, except in an emergency. This will allow the brake shoes/pads to 'bed in' properly.

SAFETY CHECKLIST

Following these simple steps before driving your new vehicle will help make your motoring safer:

Before Entering The Car

1. Check that windows, mirrors and lights are clean.
2. Look at the tyres. If any tyre appears under inflated, check it with a tyre gauge.
3. If you intend to reverse, check that the area behind you is clear.

Before Driving Off

1. Be sure that all doors are secured.
2. Position your seat for comfortable driving.
3. Adjust all rear vision mirrors.
4. FASTEN SEAT BELTS.
5. Check that the warning indicators light up when you turn the key to start the engine. (See below for correct Starting Procedure.)
6. Check all gauges (including the fuel gauge).

STARTING THE ENGINE

1. Apply the parking brake firmly and release only after you have started up and are ready to drive off.
2. For vehicles fitted with **Manual Transaxle** depress the clutch pedal and shift the gear lever to Neutral position.

   For vehicles fitted with **Automatic Transaxle** move the shift lever to 'P' (Park) or 'N' (Neutral) position. The engine will not start if it is in any other position.
3. Start the engine as outlined below.

Cold Engine

- Before starting a cold engine, press the accelerator pedal slowly to the floor once and then completely release it. This action sets the choke system and injects fuel for starting.
- Turn the ignition key to the START position until the engine is started. If the engine fails to start within a few seconds, turn the key to the OFF position then depress and release the accelerator pedal before turning the ignition key to the START position again. Release the key when the engine is started. If the vehicle has been standing for several days, it may be necessary to repeat this procedure a few times until the engine starts.

  NOTE: During the starting process you should not keep the starter motor engaged for more than 15 seconds at a time.

- After the engine has started, allow it to run at fast idle for at least 30 seconds before engaging gears. Do not KICK DOWN, i.e. do not depress the accelerator pedal in an attempt to lower the engine idle speed. While the engine is running, the automatic choke and fast idle speed control gradually move to the off position as the engine reaches normal operating temperature.

  After starting check that the engine oil pressure and charging indicator lights go out.

  NOTICE: You should not subject the engine to high load conditions such as full throttle acceleration or high speeds until it has completely warmed up.

Warm/Hot Engine

- To start, press the accelerator pedal halfway or more to the floor and hold it in this position, then turn the key to START.
- After the engine starts, release the accelerator pedal.

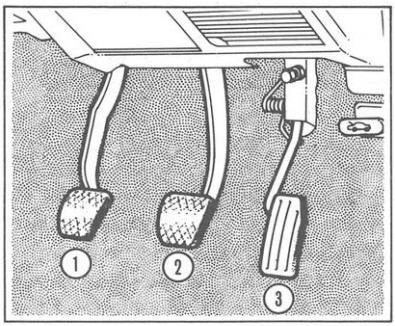
Flooded Engine

Pumping the accelerator pedal and/or cranking the engine for a lengthy period without it starting could result in there being too much fuel in the engine.

If this occurs, press the accelerator down to the floor and hold it there while holding the key in the START position. When the engine starts, allow the accelerator pedal to come up slowly.

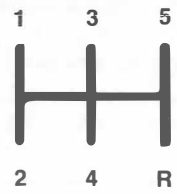
FLOOR CONTROLS

1. **CLUTCH PEDAL** (Manual Transaxle)
   This pedal is used to engage and disengage the clutch which enables you to select and change gears.
2. **BRAKE PEDAL**
   This pedal is used to control the vehicle's speed by operating the brake system.
3. **ACCELERATOR PEDAL**
   This pedal is used to regulate engine power and vehicle speed.

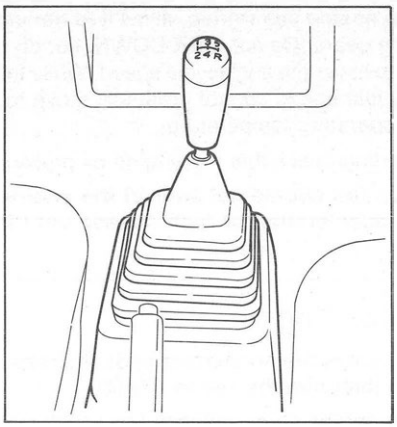


MANUAL TRANSAXLE

The standard 5-speed manual transaxle has 5 fully synchronised forward gears and a non synchronised reverse gear. The gear selection pattern which is indicated on the gear lever knob is shown in the illustration on the following page.



5 SPEED



Selecting Reverse Gear — The gear lever must be shifted sideways (towards the driver) against spring pressure in order to pass into Reverse gear.

Selecting Fifth Gear — The gear lever must be shifted sideways (towards the driver) against spring pressure in order to pass into Fifth gear.

Recommended Shift Speeds

To help ensure minimum exhaust emissions and fuel consumption the following are the recommended speeds at which gear changes should be made.

Gear Change	Speed
1 — 2	15 km/h
2 — 3	30 km/h
3 — 4	50 km/h
4 — 5	60 km/h

Manual Transaxle — Operating Notes

- When shifting from one gear to another, be sure to depress the clutch pedal fully to avoid clashing and possibly chipping the transmission gears.
- Shift the gears with a moderate effort to allow time for the transaxle synchronizers to work properly.
- Never attempt to engage reverse gear until the vehicle has completely stopped. A slight pause between depressing the clutch pedal and moving into Reverse gear is desirable to allow all the rotating components to stop and avoid gear crashing.
- Whenever Reverse is selected with the ignition on, the back-up lights will operate.
- Do not drive with your foot resting on the clutch pedal as damage to the clutch may result.

- When stopped on an incline do not hold the vehicle by slipping the clutch. Use the foot brake or parking brake.
- When climbing steep grades, change down to a lower gear before the engine starts to labour. To maintain safe speeds on a steep downgrade and to reduce brake wear and overheating, shift into a lower gear before starting the descent.
- Do not overspeed the engine when shifting down to the next lowest gear (maximum recommended engine speed — 6000 rpm).

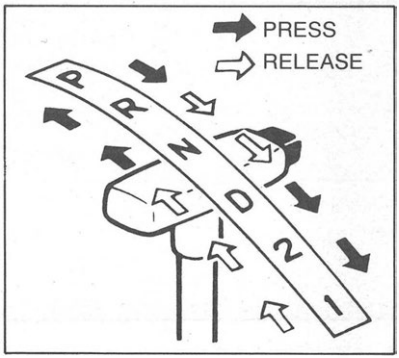
AUTOMATIC TRANSAXLE

The engine will not start unless the selector is in either P or N.

After starting the engine select the range desired (see table below).

Selection of gears from P to 1:
Press the button to move from P to R. You can shift to N and D without pressing the button. Press the button again to shift to 2 and 1.

Selection of gears from 1 to P:
You can shift from 1 to 2 to D to N without pressing the button. Press the button to go to R or P.



AUTOMATIC TRANSAXLE

P — (PARK)	This position is used to lock the transaxle when the vehicle is parked or while starting the engine. **Never move the shift lever to Park until your vehicle is fully stopped.** Use this position together with the parking brake.
R — (REVERSE)	This position is used for backing the vehicle. Bring your vehicle to a complete stop before shifting to Reverse.
N — (NEUTRAL)	This is the out-of-gear position. You may restart a stalled engine while the vehicle is still moving with the selector in Neutral. This position is also used when towing the vehicle. See the "In Case of Emergency" section for towing facts.
D — (DRIVE)	Use this position for all normal forward driving. Forced downshifts — with the selector in 'D' you can get an automatic downshift at speeds under 60 km/h by pressing the accelerator pedal approximately halfway to the floor. You will also get a forced downshift at speeds above 60 km/h by pressing the pedal all the way to the floor. This will give you increased acceleration for passing manoeuvres.

2 — (SECOND)	This range is used when extra performance is required for hill climbing or it can also be used to provide "engine braking" to slow down when going down medium grades. The shift lever may be moved from 'D' to '2' (and vice versa) under most driving conditions. Do not exceed 104 km/h in this range.
1 — (FIRST)	This position is used to provide maximum engine braking when driving down very sharp grades or when maximum performance is required to climb a steep hill or run through deep snow or mud. You may shift into 1 at any speed but the transaxle will not lock into Low until vehicle speed is under 38 km/h. Do not exceed 56 km/h in this range.

Automatic Driving Don'ts

- Don't rev the engine with the brakes on in either 1, 2, D or R. This will overheat the transmission.
- Don't rev the engine to hold the car on a slope. Use the brakes.
- Don't move into either R or P unless the vehicle has stopped.
- Don't ever coast the vehicle in N — this lessens your control and the engine braking power.
- Don't move into 'R' (Reverse) or any forward range while operating the engine at high speed in 'N' or 'P'.

Torque Lock

If the vehicle is parked on a slope and the transaxle selector lever is placed in 'P' (Park) before the parking brake is set, the weight of the vehicle may exert so much force on the parking pawl in the transaxle that it may be difficult to pull the selector lever out of 'P' (Park). This condition is called "torque lock". To prevent this, the parking brake should be applied BEFORE moving the selector lever to 'P' (Park).

When preparing to move the vehicle, the selector lever should be moved out of the 'P' (Park) position BEFORE releasing the parking brake. It is good driving practice to set the parking brake first, then release the transaxle from 'P' (Park), even on level surfaces.

If "torque lock" does occur, it may be necessary to have another vehicle nudge this vehicle uphill to take some of the pressure off the transaxle while the driver pulls on the transaxle selector lever.

BRAKE SYSTEM

Your Gemini is fitted with a vacuum power-assisted brake system utilizing disc-type front brakes and drum type rear brakes

To ensure the safety of yourself and of others it is important that your vehicle's brake system receive regular maintenance as detailed in the Maintenance Schedule in Section 7B of this handbook.

Split Circuit Brake System

The braking system on your Gemini is actually two separate systems; one operating the right hand front and left hand rear wheels and the other operating the left hand front and right hand rear wheels.

Hydraulic pressure is provided from a tandem design master cylinder which isolates the two systems. This means there are two completely separate hydraulic circuits each supplying pressure to half of the braking system. In the event of a failure in one circuit, the other circuit will be fully operational to stop the vehicle, although with increased pedal effort. In association with the extra pedal effort the pedal would also travel further towards the floor.

Brake Fluid Level Warning Light

The brake system warning light is covered in the "Instrument Panel" section, Section 1E.

Power Brakes

- If power assist is lost because of a stalled engine or other reasons, the brakes can normally still be applied with power assist at least two times using reserve power.
- The system is designed to bring the car to a full stop on reserve power if the brake pedal is applied once and held down. However, the reserve power is partly used up each time the brake pedal is applied and released. Apply smooth and even pressure to the pedal. Do not pump the brakes when brake power assist has been lost, except when needed to maintain steering control.
- Without power assist, the car can still be stopped by pushing much harder on the brake pedal. However, the stopping distance may be longer, even though the brakes themselves remain fully operational.

Self Adjusting Brakes

- The brakes on this vehicle are self-adjusting. They have been designed so that periodic brake adjustment is not required.
- The drum brakes adjust themselves each time the brake is applied.
- The disc brakes adjust themselves each time the brakes are used.
- If the brake pedal suddenly goes down further than normal, you should immediately see a GMH dealer for investigation of the problem.
- Also see your dealer if the parking brake is out of adjustment.

NOTICE: "Riding the brake" by resting your foot on the brake pedal when you do not intend to brake can cause overheated brakes. This can wear out the brake linings and pads faster and damage the brakes and waste fuel.

Wet Brakes

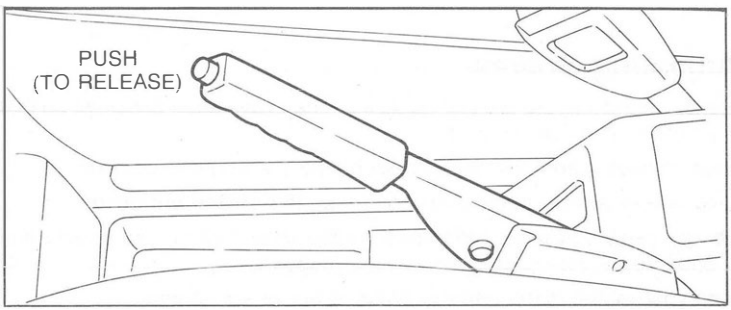
CAUTION: Driving through water deep enough to wet brake components may reduce braking effectiveness. As a result, the car will not slow down at the usual rate, and it may pull to the right or left. After checking to the rear for other vehicles, apply the brakes lightly to check whether this has happened. To dry them quickly, lightly apply the brakes. At the same time keep a safe forward speed, with plenty of clear space ahead, to the rear, and to the sides. Do this until the brakes return to normal. Always do this after driving through water to help reduce the possibility of personal injury.

Parking Brake

The parking brake lever is mounted on the floor between the passenger's and the driver's seats.

- To Apply. Pull the lever straight up using the grip at the end of the lever. Do not press the release button.
- To Release. Pull the parking brake lever upwards while simultaneously pressing in release button at the end of the lever with the thumb. After the ratchet system disengages, retain pressure on the button while lowering the lever.
- To help remind you, the park brake warning light is designed to stay on if the parking brake is not fully released and the ignition key is on.
- Never drive the car with the parking brake on as this may overheat the rear brakes, reducing their effectiveness and causing excessive wear or damage.
- On vehicles fitted with automatic transaxle always apply the parking brake before selecting P (Park). This is particularly important when parking on a slope to avoid 'Torque Lock'. See Automatic Transaxle in this section.

CAUTION: Be careful where you park or drive. As with any vehicle, do not park or operate this vehicle in areas where combustible materials such as dry grass or leaves can come in contact with a hot exhaust system.



HOW TO IMPROVE FUEL ECONOMY

The following information is to help you obtain the best fuel economy from your vehicle.

Vehicle Maintenance
Maintain your car in peak mechanical condition by having it serviced regularly in accordance with the GMH Maintenance Schedules. This will ensure items such as engine timing, spark plugs, air cleaner, engine idle speed etc. are maintained for best fuel economy.

Tyre Pressures
Keep the tyres at the recommended pressures as shown on the tyre placard. Under inflated tyres create extra rolling resistance which contributes to increased fuel consumption.

Wheel Alignment
Maintain correct front wheel alignment. Incorrect alignment makes the front wheels drag and increases fuel consumption.

Warm Ups and Excessive Idling
- Avoid long warm ups. They are unnecessary and waste fuel. An engine reaches its efficient operating temperature most effectively by driving on the road.
- You should also avoid excessive engine idling. If you have to wait for more than a couple of minutes turn off the engine to conserve fuel.

Accelerating, Driving and Braking
- Accelerate gently — avoid rapid starts, sudden bursts of speed and full throttle accelerations — they're certain fuel wasters.
- Wherever possible, gear changes should be made at the recommended speeds.
- Drive the vehicle at steady speeds where possible (after run-in). It is desirable to achieve top gear operation, as soon as possible, but under no circumstances should you force the engine to labour in top gear.
- Slow down gradually with minimum use of the brakes. Sudden stops waste energy in the form of heat generated under braking. Energy in the form of fuel is needed to accelerate again.
- Avoid frequent short trips.

Excessive Speed
Drive at moderate speeds. Driving at 80 km/h instead of 110 km/h will use less fuel. Note that constant low speed driving (less than 60 km/h) will not give good fuel economy either.

Vehicle Loading & Aerodynamics
- Avoid carrying excess weight as the heavier the load the more fuel you will use.
- When loading your car's roof rack try to keep the load as low as possible thereby minimising wind drag.
- Overloading the rear suspension upsets the aerodynamics of your vehicle by raising the front of the car. The resultant drag increase contributes to increased fuel consumption.

Air Conditioner Operation
If fitted with air conditioning, use only when necessary. However, it must remembered that the air conditioner needs to be run at least once a fortnight to help prevent drying out the compressor seals. Refer to A/C operating notes in Section 1E.

LOADING YOUR VEHICLE

Overloading is a safety hazard and could also shorten the life of your vehicle or its parts.

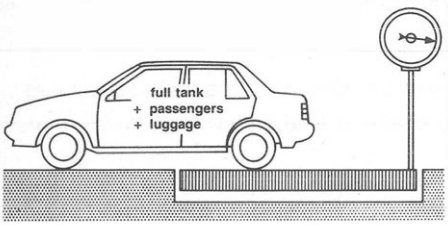
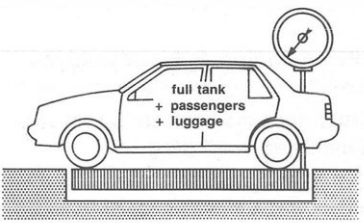
The maximum load (as defined by Australian Design Rules) your vehicle is designed to carry safely is as follows:

One occupant (mass 68 kg) in each seating position (5) Plus luggage carried in load compartment	340 kg 68 kg
Maximum Load — Total	408 kg

NOTICE: Your Gemini was designed and developed as a passenger vehicle and not as a commercial goods carrying vehicle, therefore, continuous operation at maximum load is not recommended.

If you load your vehicle in any other configuration to that described in the above table then you should ensure that the **Maximum Rear Axle Load** and **Maximum Loaded Vehicle Mass** specified for your model are not exceeded. (Refer to table below.) The checking of both these loading limits will require weighing the vehicle on a weighbridge or on scales designed for this purpose.

When loading your vehicle always try to position passengers and/or cargo so that the load is distributed evenly about the longitudinal centreline of the vehicle.

Maximum Rear Axle Load (kg)	Maximum Loaded Vehicle Mass (kg)
Sedan SL, SL/X, SL/E — 666	Sedan SL — 1290 SL/X — 1292 SL/E — 1322
	

Towbar Loads

If you use your vehicle for towing, the load imposed on the towbar ball must be taken into account when determining the total loading on the vehicle and rear axle unless a load equalising hitch is used which fully compensates for towbar load by restoring the towbar tongue height to the unhitched position.

Superlift Shock Absorbers

The use of superlift shock absorbers DOES NOT increase the load capacity of the vehicle. The recommended loading limits for your vehicle must NOT be exceeded if overloading of axle components and the consequent shortening of service life is to be avoided.

Superlift shock absorbers do allow adjustment of the vehicle's height, so that improved ride and handling and better ground clearance in rough terrain may be obtained when running heavily laden.

CAUTION: Do not drive the car with Superlift shock absorbers inflated when the car is unladen as vehicle handling is affected. (The car should be at normal trim level.)

Tyre Load Rating and Vehicle Loading

It must be clearly understood that the maximum load rating shown on the tyre placard in the glove compartment is not an actual load capacity that can be used for each wheel. While the tyre manufacturers rate the tyre for this load application at the maximum pressure shown on the placard, the vehicle manufacturer's body and suspension components, ride, and handling characteristics must be taken into account. Therefore, the Maximum Rear Axle Loading and the Maximum Loaded Vehicle mass should not be exceeded.

"ADD ON" EQUIPMENT — FRONT OF VEHICLE

Owners intending to fit additional equipment to the front of the vehicle, such as 'bull bars' etc. should ensure that this action does not significantly reduce the ground clearance of the front underside of the vehicle.

Failure to observe this caution could result in damage to the front underside of the vehicle when driving in rough road conditions.

CARAVAN OR TRAILER TOWING

Your Gemini is designed primarily as a passenger vehicle therefore handling, braking durability and economy will be affected by towing a caravan or trailer. Before attempting any towing, ensure that the correct equipment is fitted to your vehicle. Your GMH Dealer will help supply and install GM towing equipment designed for your vehicle.

Towing Equipment Specifications

NOTE: GMH towing equipment is recommended where it is available. Where it is not available no recommendation is made as to the make of equipment which should be used. Neither General Motors-Holden's Limited nor General Motors-Holden's Sales Pty. Ltd. will accept liability for defects occurring in towing equipment not marketed by General Motors-Holden's Limited or for defects in the vehicle arising from the use of such equipment.

- **GMP&A TRAILER WIRING HARNESS PACKAGE**
  A special wiring harness is available from your GMH Dealer or accessories stockist. This is the only system recommended by GMH and use of any other may affect your warranty.

- **GMP&A TOW BAR PACKAGE (600 kg Capacity)**
  This tow bar package has been designed and tested to safely tow a loaded trailer up to 600 kg mass.

  DO NOT EXCEED THIS LIMIT.

- **TRAILER BRAKES**
  State regulations should be consulted concerning the maximum trailer mass which may be towed without trailer brakes. These vary from State to State.

  Where trailer brakes are required, use driver controlled independently operated brakes for optimum control. Over-run type brakes may not be suitable.

- **LOAD EQUALIZER HITCH**
  A frame mounted equalizing hitch with a sway control of sufficient capacity is recommended for trailers over 500 kg loaded mass.

Towbar Ball Load

The towbar ball load is measured as the vertical force required to support the trailer coupling at the towbar ball height before connecting the trailer to the car.

The recommended towbar ball load is 10% of the loaded trailer mass up to a **Maximum Permissible Towbar Ball Load** of **60 kg.**

Maximum Permissible Rear Axle Load

Never exceed the Maximum Rear Axle Load specified for your vehicle. These rear axle load limits are given earlier in Section 2 under 'Loading Your Vehicle'.

The load imposed on the towbar ball must be included in the Maximum Rear Axle Loading unless a load equalising hitch is used which fully compensates for towbar load by restoring the towbar tongue height to the unhitched position.

Tyre Pressure

Ensure that tyres are inflated to the maximum recommended pressure (refer Tyre Placard located in glove box).

Running-In Period

It is best to drive your new Gemini for at least 1500 kilometres before towing a load. The same applies if you have a new or reconditioned engine or transaxle.

Maintenance — Automatic Transaxle

More frequent vehicle maintenance is required when using your vehicle to pull a trailer. Where an automatic transmission is fitted the transmission fluid will need to be changed every 12 months or 20,000 kilometres.

Towing Tips

- Your vehicle will handle differently with a load behind. It's a good idea to make a couple of short distance trips with the caravan or trailer before you set off on the big one.
- You should have an extended-arm mirror on **both** sides of the vehicle.
- Headlights may need re-aiming after the loaded caravan has been hitched up, particularly if a load equalizing hitch is not used.
- Use a lower gear, rather than your brakes, when going down steep hills.
- If your caravan or trailer runs off the road behind you, allow the left wheels of your car to run off as well. When it is safe to do so, carefully steer back on to the road. A sudden attempt to steer back could make you swerve dangerously.

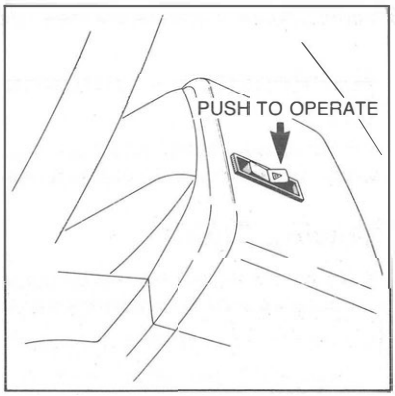
NOTE: Because of the increase in weight and the extra power required, trailer towing will increase fuel consumption.

CAUTIONS:

1. **Never "tap" into the vehicle's hydraulic braking system to facilitate trailer braking.**
2. **The brakes on the trailer or caravan must be designed to cope with the braking requirements of that trailer or caravan under all towing conditions without adversely affecting the brakes on the towing vehicle.**
3. **Whenever a towbar is removed be certain to have any mounting holes in the underbody properly sealed to prevent the possible entry of exhaust fumes, dust and water.**

SECTION 3 IN CASE OF EMERGENCY

HAZARD WARNING FLASHER

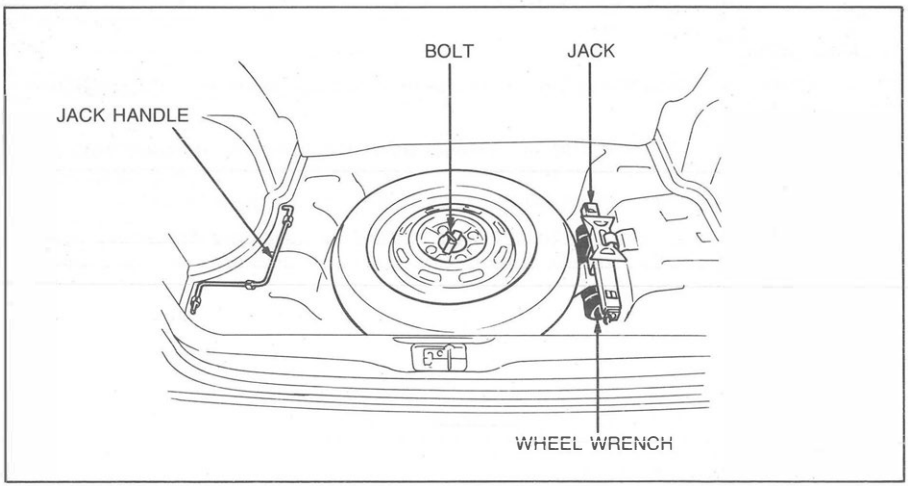


Use the hazard warning flasher to warn other drivers any time your car becomes a traffic hazard, day or night. Avoid stopping on the roadway if possible.

- Turn on the hazard warning flasher by pushing the switch located on the top of the steering column cover. This makes all four turn signal lights flash continuously. The dash mounted turn signal indicator lights will also flash.
- The flasher will work with the ignition either off or on.
- USE OF THE HAZARD WARNING SYSTEM WHILE THE VEHICLE IS MOVING IS PROHIBITED BY LAW IN SOME STATES.

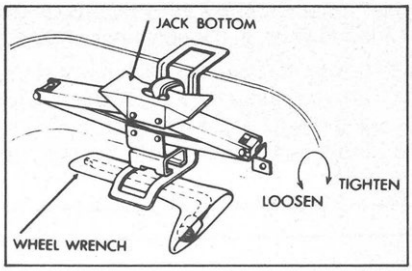
SPARE WHEEL AND JACK STORAGE

The spare wheel, jack, jack handle and wheel wrench are located in the floor of the rear luggage compartment as shown.



Jack Removal/Replacement

To remove the jack, rotate the operating mechanism as shown until the jack becomes free. When re-stowing after use, position the jack as shown then rotate the operating mechanism clockwise until the jack is secured.



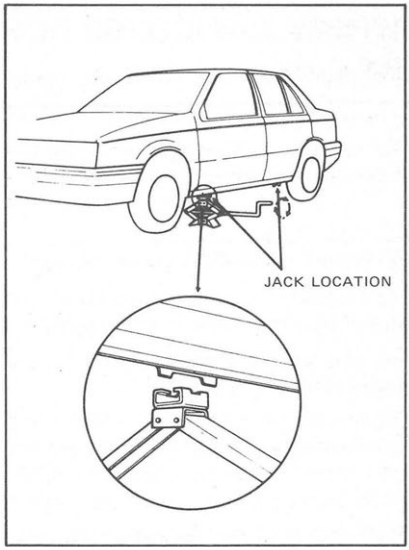
WHEEL CHANGING

CAUTION: To help Avoid Personal Injury.

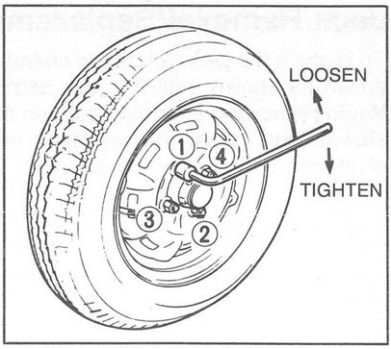
- **Carefully follow jacking instructions.**
- **Use jack only for lifting this vehicle when changing wheels.**
- **Never get beneath the vehicle when it is supported by the jack only.**
- **Do not start or run the engine while the vehicle is supported by the jack only.**
- **All passengers should be out of the vehicle when it is being jacked.**

Move the vehicle off the road where possible.

1. Park on a level surface and set the parking brake. Put the manual transaxle in reverse (Automatic transaxle in P).
2. Switch on hazard flasher.
3. Chock the front and rear of the wheel diagonally opposite the flat tyre to prevent wheel rotation.
4. Place jack below the jack location nearest the wheel to be changed. (There are four jack locations, two either side at front and rear of vehicle.)
5. Remove the wheel covers or centre trims then using the wheel wrench provided, slacken the wheel bolts one or two turns each. DO NOT LOOSEN ANY FURTHER TILL WHEEL IS CLEAR OF GROUND.
6. Raise vehicle until wheel is clear of ground, remove bolts and change wheels.



7. Partially tighten the wheel bolts alternately and evenly in the sequence shown opposite.
8. Lower the vehicle until the wheel rests firmly on the ground. Fully tighten wheel bolts with wrench, install wheel covers or centre trims (where fitted) and remove chocks and jack.



Wheel Bolt Torque

CAUTION: As soon as possible after changing a wheel, you should have the wheel bolts tightened with a torque wrench to the specifications shown in 'Specifications' Section 6 of this Manual.

Wheel bolts should be tightened evenly to the correct torque in the numerical sequence shown.

Improperly tightened wheel bolts could eventually allow the wheel to come off while the car is moving, possibly causing loss of control, and/or personal injury or damage.

Never use oil or grease on studs or nuts.

WHEEL CAP/COVER REMOVAL & REPLACEMENT

Wheel centre cap (SL models)

To remove: Removing wheel nuts will allow removal of cap.

To replace: Before tightening the wheel nuts fully, position the centre cap so that the four claws catch under the bevel on the wheel nuts. Then tighten wheel nuts.

Wheel Covers (SL/X models)

To remove: Push the blade end of the wheel nut wrench between the wheel cover and the wheel and force it in for about half the length of the blade.

Moving round the wheel, lightly pry the cover off at several points by twisting the wrench away from the tyre.

To replace: Position the cover so that the valve hole in the cover is directly over the valve. While pressing the cover firmly against the wheel at the lowest position, knock the cover onto the wheel with several light blows using the palm of the hand. Repeat this operation at several positions around the edge of the cover until a secure installation is obtained.

NOTE: It may be necessary to protect the hand during this operation.

Wheel centre cap (SL/E models)

To remove: Place the blade of wheel nut wrench in the slot in the wheel and gently prise off.

To replace: Position the cap in the cavity with base opposite the slot edge in position then knock the cap into the cavity with the palm of the hand.

EMERGENCY STARTING

Starting with Auxiliary (Booster) Battery

If your vehicle will not start due to a discharged battery, it can often be started by using energy from another battery — a procedure called "jump starting". This procedure should be used only when the following conditions and CAUTIONS are adhered to. Failure to do so could result in:

- Serious personal injury (particularly to eyes) or property damage from such things as battery explosion, battery acid or electrical burns, or
- Damage to electrical equipment in either vehicle.

If the conditions cannot be met, or if you have any doubts about following the Jump Starting Procedure we strongly recommend for your safety and that of your vehicle that you leave the starting to a competent mechanic.

Conditions

The battery in the other vehicle (booster battery) must be of the same nominal voltage, **12 volts,** and must be negatively grounded. The nominal voltage and grounding of the other vehicle's battery may be determined by checking the specifications in its owner's manual.

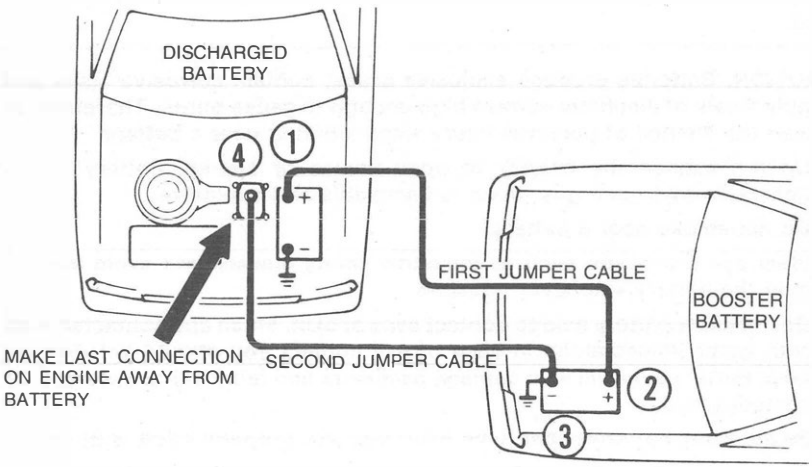
CAUTION: Batteries produce explosive gases, contain corrosive acids and supply levels of electrical current high enough to cause burns. Therefore, to lessen the chance of personal injury when working near a battery:

- **Do not expose the battery to open flames or sparks. Battery action generates hydrogen gas which is flammable and explosive.**
- **Do not smoke near a battery.**
- **Wear eye protection such as industrial safety glasses and avoid leaning over the battery whenever possible.**
- **Do not allow battery acid to contact eyes or skin. Flush any contacted area with water immediately. In case of eye contact you should get medical help. Battery acid will also damage paintwork and fabrics if not washed off immediately.**
- **Be sure any batteries that have filler caps are properly filled with fluid.**
- **Remove rings, metal watch bands and other metal jewellery before working around a battery.**
- **Carefully follow each step in the jump starting procedure.**

Jump Starting Procedure

1. Position the two vehicles so that they are **not** touching and apply the parking brakes. Automatic transmissions are to be placed in 'PARK' and manual transmissions placed into 'NEUTRAL'. Turn off ignition and all lights and accessories in both vehicles except the hazard flasher or any lights needed for the work area.
2. Attach one end of the First Jumper Cable to the positive terminal of the **discharged battery** (identified by a red colour, + or P on the battery case, post or clamp) and the other end of the same cable to the positive terminal of the **booster battery.**
3. Attach one end of the Second Jumper Cable to the negative terminal (black colour, — or N) of the **booster battery,** and the other end to a solid, stationary, metallic point on the engine of the vehicle with the discharged battery **(do not connect directly to negative post of discharged battery).**

   When making all connections take care that the clamps from one cable do not inadvertently touch the clamps on the other cable. Also ensure that jumper cables are not on or near pulleys, fans or other points that will move when the engine is started.
4. Start the engine in the vehicle which has the good battery and run the engine at a moderate speed. Then start the engine in the vehicle that has the discharged battery.
5. When the engine starts, leave it running then remove the jumper cables by reversing the above installation sequence exactly. While removing each clamp, take care that it does not touch any other metal while the other end remains attached.



MAKE CONNECTIONS IN NUMERICAL ORDER

PUSH STARTING

CAUTION: Do not attempt to 'push start' or 'tow start' your Gemini. These vehicles are fitted with a catalytic converter and if uncombusted fuel were to reach the catalytic converter and ignite, the converter could ignite or be destroyed by backfire.

ENGINE OVERHEATING

CAUTION: If the engine should overheat, as indicated by the Temperature Gauge reading or if you have any other reason to suspect there is a serious overheat condition immediate action is required as outlined in the following section. Continued operation of the engine EVEN FOR A SHORT TIME could result in a fire and the possibility of personal injury and/or severe vehicle damage.

The cooling system may overheat if the coolant level is too low, if there is a sudden loss of coolant (such as a worn hose splitting), or if other problems occur. It may also temporarily overheat during severe operating conditions such as:

- climbing a long hill on a hot day,
- stopping after high-speed driving,
- idling for long periods in traffic, or
- towing a trailer.

If the coolant temperature gauge needle should move all the way to "H" position and remain there for more than 30 seconds, pull out of the traffic as soon as it is safe to do so and stop the car. Turn off the air conditioner if it is on, and leave the engine idling for two or three minutes whilst you step out of the car to check that the electric cooling fan is working. If the fan is working and the temperature gauge needle has not returned to its normal position within this time then **stop** the engine and proceed as follows:

CAUTION: To help avoid being burned:

- **DO NOT OPEN THE HOOD if you see or hear steam or coolant escaping from the engine compartment. Wait until no steam or coolant can be seen or heard before opening the hood.**
- **DO NOT REMOVE THE RADIATOR CAP or coolant RECOVERY TANK CAP IF THE COOLANT IN THE RECOVERY TANK IS BOILING. Also do not remove the radiator cap while the engine and radiator are still hot. Scalding fluid and steam can be blown out under pressure if either cap is taken off too soon.**
- **KEEP CLEAR OF THE ELECTRIC COOLING FAN with the ignition ON or the engine running as the fan may start operating without warning.**

If no steam or coolant can be seen or heard, raise the engine hood. **If the coolant is boiling, wait until it stops before proceeding.** Look at the coolant level in the see-through recovery tank. The coolant level should be at or above the 'MAX' mark on the recovery tank.

If the coolant level in the recovery tank is low, look for leaks at the radiator hoses and connections, heater hoses and connections, radiator, and water pump. If you find major leaks, or spot other problems that may have caused the engine to overheat, do not run the engine until these problems have been corrected. If you do not find a leak or other problem, **carefully** add coolant to the recovery tank. (Coolant is a mixture of ethylene glycol antifreeze and water; refer to Specifications, Section 6 of this handbook for the proper antifreeze and mixture ratio.)

CAUTION: Under some conditions, the ethylene glycol in engine coolant is combustible. To help avoid being burned, DO NOT spill antifreeze or coolant on the exhaust system or hot engine parts.

If the coolant level in the recovery tank is at the correct level but there is still an indication on the instrument panel of an overheat condition:

- You may add coolant directly to the radiator. YOU MUST LET ENGINE COOL FIRST. See "Coolant Replacement" under "Engine Cooling System" in Section 7A of this handbook. Follow steps 1 and 5 for the correct way to remove the radiator cap and add coolant.

Once the Engine Coolant Temperature gauge no longer signals an overheat condition, you can resume driving at a reduced speed. Return to normal driving after about ten minutes if the temperature gauge does not again show an overheat condition.

If overheating occurs again you should have the vehicle attended to, as soon as possible, by a qualified mechanic.

TOWING A DISABLED VEHICLE

Proper equipment must be used to prevent damage to your vehicle during any towing.

Should it become necessary to tow your vehicle, do so as described below.

- The vehicle may be towed from the front with all four wheels on the ground.

  Vehicles with automatic transaxle may be towed from the front with all four wheels on the ground at speeds up to 55 km/h for a distance not exceeding 80 km. Severe damage to the transaxle may result if these speed or distance limits are exceeded.

  These speed and distance restrictions do not apply to vehicles with manual transaxles.

- The vehicle may be towed from the front with the front wheels raised and the rear wheels only on the ground.

- The vehicle may be towed from the rear with the rear wheels raised and the front wheels held off the ground surface with a dolly.

  The vehicle must never be towed from the rear with the rear wheels raised and the front wheels on the ground.

  When towing with either automatic or manual transaxle the driveline, axle, transaxle and steering system must be in proper operating condition. Use only towing equipment specifically designed for this purpose, following the instructions of the equipment manufacturer. For such towing the parking brake must be released. Transaxle must be in neutral and key lock turned to the "ACC" position to release steering column lock and to permit operation of windscreen wipers etc. Towing attachments must be made to main structural members of the vehicle. **Do not attach to bumpers and associated brackets or front and rear tiedown/shipping brackets.**

CAUTION: Before commencing any towing, remember that power assistance for brakes and power steering will not be available when the engine is off.

SECTION 4 CUSTOMER ASSISTANCE AND GMH DEALERS

We want you to be happy with your new vehicle and with the people you deal with while you have the vehicle.

Normally, any problems which may arise with the sales transaction, operation or servicing of your vehicle will be handled by your Dealer's Sales and Service department.

We realise however that, with the best intentions, misunderstandings do occur sometimes.

If you have a problem that has not been settled to your satisfaction here's what to do:

Step 1:

Discuss the problem with one of the Dealer's management people. If you feel you haven't got satisfaction from the Sales Manager or Service Manager — go to the General Manager or the Dealer himself.

Step 2:

If it seems that no-one at the dealership can help fully, write to the GMH Zone Customer Assistance Manager in your State outlining your problem and including your name, address and telephone number; the vehicle model and vehicle identification number (V.I.N.); date of purchase, current odometer reading and the Dealer's name and address. Some of this information will be on your Vehicle Identification Certificate (inside the front cover).

Step 3:

By now you should have satisfaction. If not, you can write to the GMH National Customer Assistance Manager, GMH Sales Pty Ltd, P.O. Box 548D, Melbourne 3001.

GMH
CUSTOMER ASSISTANCE MANAGERS

QUEENSLAND
General Motors-Holden's Sales Pty. Ltd.,
Box 728, G.P.O.,
BRISBANE, QLD. 4001.

NEW SOUTH WALES AND AUSTRALIAN CAPITAL TERRITORY
General Motors-Holden's Sales Pty. Ltd.,
Box 481, P.O.,
EDGECLIFF, N.S.W 2027.

VICTORIA AND TASMANIA
General Motors-Holden's Sales Pty. Ltd.,
Victorian Zone Service Division,
Box 548D, G.P.O.,
MELBOURNE 3001.

SOUTH AUSTRALIA AND NORTHERN TERRITORY
General Motors-Holden's Sales Pty. Ltd.,
Box 221, P.O.,
ELIZABETH, S.A. 5112.

WESTERN AUSTRALIA
General Motors-Holden's Sales Pty. Ltd.,
P.O. Box 426,
WEST PERTH, W.A. 6005.

AUTHORISED GMH DEALERS

(Note: Dealership names and locations listed are effective at the time of printing. These may change from time to time without notice.)

NEW SOUTH WALES — Metropolitan Dealers

ARNCLIFFE
Suttons Motors (Arncliffe) Pty. Ltd.,
93 Princes Highway

ASHFIELD
Muirs Motors (Ashfield) Pty. Ltd.,
252 Parramatta Road

BALGOWLAH
Mitchell Cox Holden
164 Condamine Street.

BAULKHAM HILLS
Tony Packard Holden
Cnr. Victoria Avenue & Windsor Road

BELMONT
Challenge Holden
444 Pacific Highway

BLACKTOWN
West City Motors
120-128 Sunnyholt Road

CABRAMATTA
Ron Hodgson Holden
266 Hume Highway

CAMPBELLTOWN
Paul Wakeling Holden
63 Blaxland Road

CARDIFF
Brian Kelly Holden
35-39 Macquarie Road

CHULLORA
Suttons Motors (Chullora) Pty. Ltd.,
Cnr. Hume Highway & Waterloo Road

CROW'S NEST
J. N. Caldwell (Holdings) Pty. Ltd.,
1 Alexander Street

DEE WHY
Barry Smith Holden
Cnr. May and Mooramba Roads

GONDON
Sundell Holden
836 Pacific Highway &
McIntyre Street

GOSFORD
Noble Motors
Pacific Highway

HOMEBUSH
Suttons Motors (Homebush)
112 Parramatta Road

HOMEBUSH
Gilbert & Roach Pty. Ltd.
167-173 Parramatta Road

KINGSFORD
John Pelligrini Holden
263-271 Anzac Parade

LAKEMBA
Nash Holden
1018 Canterbury Road

LIVERPOOL
A. C. McGrath & Company
Cnr. Castlereagh St. & Hume Highway

MIRANDA
Greg Ball Holden
1-3 Kiora Road

NEWCASTLE
Young & Green Pty. Ltd.,
745 Hunter Street

PADSTOW
Purnell Bros. Holden
19 Davies Road

PARRAMATTA
Fair Deal Car Sales Parramatta
65 Church Street

PARRAMATTA
Hillsdon's Pty Ltd.,
87 Church Street

PENNANT HILLS
Les Vagg Holden
351-355 Pennant Hills Road

RANDWICK
Boyded Randwick
265 Avoca Street

ROCKDALE
C. V. Holland
571 Princes Highway

RYDE
Muirs Motors (Ryde) Pty. Ltd.,
603-605 Victoria Road

SPRINGWOOD
Kerry's Motors Pty. Ltd.,
28 Great Western Highway

ST. MARY'S
Lance Motors Pty. Ltd.,
Corner Glossop & Harris Streets

TORONTO
Young & Green (Toronto) Pty. Ltd.,
Carey Street

VILLAWOOD
John A. Gilbert
766 Woodville Road

WAITARA
Suttons Motors Waitara
90 Pacific Highway

WARILLA
Wilson's Warilla Pty. Ltd.,
29 Shellharbour Road

WINDSOR
Hawkesbury Valley Motors
122 George Street

WOLLONGONG
Dwyers Pty. Ltd.,
31-33 Crown Street

WYONG
W. M. Holden
Pacific Highway

NEW SOUTH WALES — Country Dealers & Service Dealers

Consult your local Yellow Pages under Motor Cars — New for Addresses and Telephone Numbers.

- ADELONG
- ALBURY
- ARDLETHAN
- ARMIDALE
- BALLINA
- BARADINE
- BARHAM
- BARRABA
- BATHURST
- BEGA
- BELLINGEN
- BLAYNEY
- BOMBALA
- BOURKE
- BOWRAL
- BREWARRINA
- CANOWINDRA
- CASINO
- CESSNOCK
- COBAR
- COFF'S HARBOUR
- CONDOBOLIN
- COLLARENEBRI
- COOLAMON
- COOMA
- COONABARABRAN
- COONAMBLE
- COOTAMUNDRA
- COROWA
- COWRA
- CROOKWELL
- CULCAIRN
- DENILIQUIN
- DORRIGO
- DUBBO
- DUNGOG
- EDEN
- FINLEY
- FORBES
- GILGANDRA
- GLEN INNES
- GLOUCESTER

- GOULBURN
- GRAFTON SOUTH
- GRENFELL
- GRIFFITH
- GULARGAMBONE
- GUNDAGAI
- GUNNEDAH
- GUNNING
- GUYRA
- HARDEN
- HAY
- HOLBROOK
- INVERELL
- JERILDERIE
- JUNEE
- KANDOS
- KATOOMBA
- KEMPSEY
- KIAMA
- KURRI KURRI
- KYOGLE
- LAKE CARGELLIGO
- LEETON
- LISMORE
- LITHGOW
- MACLEAN
- MACKSVILLE
- MAITLAND
- MILTON
- MOLONG
- MOREE
- MORUYA
- MOSS VALE
- MUDGEE
- MULLUMBIMBY
- MUNGINDI
- MURWILLUMBAH
- MUSWELLBROOK
- NARRABRI
- NARRANDERA
- NARROMINE
- NOWRA
- NYNGAN
- ORANGE
- PARKES
- PEAK HILL
- PORT MACQUARIE
- QUIRINDI
- SCONE
- SINGLETON
- TAMWORTH
- TAREE
- TEMORA
- TENTERFIELD
- TOTTENHAM
- TUMBARUMBA
- TUMUT
- TWEED HEADS
- WAGGA
- WALCHA
- WALLA WALLA
- WALGETT
- WARIALDA
- WARREN
- WELLINGTON
- WEST WYALONG
- WINGHAM
- WOODENBONG
- YASS
- YOUNG

AUSTRALIAN CAPITAL TERRITORY

CANBERRA CITY
Beazley & Bruce (ACT) Pty. Ltd.
44 Mort Street

WODEN
Commonwealth Motors Pty. Ltd.
58 Melrose Drive

FYSHWICK
Beazley & Bruce (ACT) Pty. Ltd.
96 Newcastle Street

VICTORIA — Metropolitan Dealers

BENTLEIGH
Boyanton Holden
280 Centre Road

BERWICK
Neil & Ross Neilson
755 Princes Highway

BRAYBROOK
Kevin Dennis Holden
272 Ballarat Road

BUNDOORA
Davies Dwyer Pty. Ltd.
413 Grimshaw Street

BURWOOD
Dustings Hillyer Holden
1200 Toorak Road

CAULFIELD
Booran Holden
1049 Glenhuntly Road

CHELSEA
Harrison Holden
370 Nepean Highway

CHELTENHAM
Balmoral Holden
1212 Nepean Highway

DANDENONG
Patterson Cheney Pty. Ltd.,
200 Cheltenham Road

DANDENONG
Graeme Blanchard Holden
Princes Highway

DONCASTER
Lance Dixon Holden
601 Doncaster Road

ELSTERNWICK
Reg. Hunt Pty. Ltd.,
77 Nepean Highway

ESSENDON
Preston Motors (Essendon) Pty. Ltd.,
205-211 Keilor Road

FAWKNER
Mantello Holden
1263 Sydney Road

FERNTREE GULLY
Neilson Holden F.T.G.
980 Burwood Highway

FOOTSCRAY
Alan Mance Holden
435 Barkly Street

FOOTSCRAY
Patterson Cheney Pty. Ltd.,
130 Moreland Road

FRANKSTON
Bayside Holden
140 Dandenong Road

GEELONG
R. & B. Smith Pty. Ltd.,
510 Moorabool Street

GEELONG
Winter & Taylor (Sales) Pty. Ltd.,
23 Cavendish Street

GLEN WAVERLEY
Geoff Brady Holden
565-577 Springvale Road

HASTINGS
Westernport Holden
762 Flinders Road

HEIDELBERG WEST
Arthur Ellis Holden
66 Bell Street

LILYDALE
Noel Dight Holden
Main Street

MORNINGTON
Peninsula Holden
Cnr. Nepean Highway & Tyabb Road

OAKLEIGH
Garry & Warren Smith Pty. Ltd.,
1575 Dandenong Road

PRESTON
Graham Hunt Holden
518 High Street

RINGWOOD
Patterson Cheney Holden
45-57 Maroondah Highway

SOUTH MELBOURNE
Patterson Cheney Holden
132 Sturt Street

WERRIBEE
Ballan Holden
Princes Highway

WEST MELBOURNE
Reg Hunt Motors
577 King Street

VICTORIA — Country Dealers & Service Dealers

Consult your local Yellow Pages under Motor Cars — New for Addresses and Telephone Numbers.

- ALEXANDRA
- ARARAT
- BACCHUS MARSH
- BAIRNSDALE
- BALLARAT
- BENALLA
- BENDIGO
- BIRCHIP
- BOORT
- CAMPERDOWN
- CASTERTON
- CASTLEMAINE
- CHARLTON
- COBRAM
- COHUNA
- COLAC
- COLERAINE
- CORRYONG
- DAYLESFORD
- DERRINALLUM
- DIMBOOLA
- DONALD
- ECHUCA
- EUROA
- HAMILTON
- HOPETOUN
- HORSHAM
- KANIVA
- KERANG
- KOOWEERUP
- KORUMBURRA
- KYABRAM
- KYNETON
- LEONGATHA
- MAFFRA
- MANSFIELD
- MARYBOROUGH
- MILDURA
- MINYIP
- MORTLAKE
- NATHALIA
- NHILL
- NULLAWIL
- NUMURKAH
- NYAH
- PORTLAND
- QUAMBATOOK
- RAINBOW
- ROCHESTER
- RUTHERGLEN
- SALE
- SEA LAKE
- SEYMOUR
- SHEPPARTON
- ST. ARNAUD
- STAWELL
- SWAN HILL
- TALLANGATTA
- TIMBOON
- TRARALGON
- UNDERBOOL
- WANGARATTA
- WARBURTON
- WARRACKNABEAL
- WARRAGUL
- WARRNAMBOOL
- WODONGA
- WONTHAGGI
- WYCHEPROOF
- YARRAM
- YARRAWONGA

QUEENSLAND — Metropolitan Dealers

ALBION
Bill Harrison Car Sales
Frodsham Street & Crosby Road

ASPLEY
Zupps (Aspley) Pty. Ltd.,
1442 Gympie Road

CLEVELAND
Russell Smith Holden
Cnr Queen & Doig Streets

IPSWICH
Zupps Holden
246 Brisbane Rd., Booval

MOOROOKA
John Sivyer Holden
1060 Ipswich Road

MT. GRAVATT
Zupps Holden
1310 Logan Road

NEWSTEAD
Eagers Retail Pty. Ltd.,
95 Breakfast Creek Road

NUNDAH
Eagers (Northside)
1319 New Sandgate Road

PETRIE
North Pine Motors Pty. Ltd.,
Gympie Road

REDCLIFFE
Village Holden
425 Elizabeth Avenue

ROCKLEA
Task Motors
1696 Ipswich Road

SPRINGWOOD
Motorama Holden
Pacific Highway & Brennan Street

WINDSOR
Leach Motors
146 Newmarket Road

WYNNUM
Doug Barton Holden
200 Tingal Road

QUEENSLAND — Country Dealers & Service Dealers

Consult your local Yellow Pages under Motor Cars — New for Addresses and Telephone Numbers.

- ATHERTON
- AUGATHELLA
- AYR
- BEAUDESERT
- BEERWAH
- BILOELA
- BLACKALL
- BOWEN
- BUNDABERG
- CABOOLTURE
- CAIRNS
- CALOUNDRA
- CHARLEVILLE
- CHARTERS TOWERS
- CLERMONT
- CLONCURRY
- CROWS NEST
- CUNNAMULLA
- DALBY
- DIRRANBANDI
- EMERALD
- GATTON
- GAYNDAH
- GLADSTONE
- GOONDIWINDI
- GYMPIE
- HUGHENDEN
- INGHAM
- INNISFAIL
- JULIA CREEK
- KILCOY
- KINGAROY
- LAIDLEY
- LONGREACH
- MACKAY
- MAREEBA
- MARYBOROUGH
- MITCHELL
- MONTO
- MOURA
- MORANBAH
- MT. ISA
- MURGON
- NAMBOUR
- NANANGO
- NOOSA HEADS
- PROSERPINE
- QUILPIE
- ROCKHAMPTON
- ROMA
- SOUTHPORT
- SPRINGSURE
- STANTHORPE
- ST. GEORGE
- TOOWOOMBA
- TOWNSVILLE
- TULLY
- WARWICK
- WINTON
- YULEBA

SOUTH AUSTRALIA — Metropolitan Dealers

ADELAIDE
City Holden
203-221 Grenfell Street

ADELAIDE
United Motors Retail Ltd.
72 Franklin Street

ELIZABETH
Peter Page Holden
Elizabeth Way

GLENELG
John H. Ellers Pty. Ltd.,
282 Brighton Road

MALVERN
Claridge Motors Pty. Ltd.,
361-367 Unley Road

MILE END
United Motors Retail
71 West Beach Road

PORT ADELAIDE
Smith Motor Co. Pty. Ltd.,
171 Commercial Road

REYNALLA
Brian Gill Holden
49-59 Main South Road

VALLEY VIEW
Plaza Holden
817-839 North East Road

SOUTH AUSTRALIA — Country Dealers & Service Dealers

Consult your local Yellow Pages under Motor Cars — New for Addresses and Telephone Numbers.

- BALAKLAVA
- BERRI
- BURRA
- CEDUNA
- CLARE
- CLEVE
- CRYSTAL BROOK
- CUMMINS
- GAWLER
- JAMESTOWN
- KADINA
- KEITH
- KINGSCOTE
- KINGSTON
- LAMEROO
- LOXTON
- MAITLAND
- MALLALA
- MENINGIE
- MILLICENT
- MT. BARKER
- MT. GAMBIER
- MURRAY BRIDGE
- NARACOORTE
- ORRORO0
- PORT AUGUSTA
- PORT LINCOLN
- PORT PIRIE
- QUORN
- RENMARK
- STRATHALBYN
- TANUNDA
- VICTOR HARBOUR
- WAIKERIE
- WHYALLA
- WUDINNA
- YANKALILLA
- YORKETOWN

NORTHERN TERRITORY — Dealers

ALICE SPRINGS
Kittle Bros. (Alice Springs) Pty. Ltd.,
Cnr Wills Terrace & Railway Terrace

DARWIN
Suttons Motors (Darwin) Pty. Ltd.,
Cnr Mitchell and Knuckey Streets

WESTERN AUSTRALIA — Metropolitan Dealers

BELMONT
Major Motors
225 Great Eastern Highway

CANNINGTON
Brian Gardner Holden
1308 Albany Highway

FREMANTLE
Shacks Holden
64 Queen Victoria Street

GOSNELLS
Lance Gibbons Holden
2325 Albany Highway

MANDURAH
Estuary Holden
1 Gibson Street

MELVILLE
Melville Motors Pty. Ltd.,
532-536 Canning Highway

MIDLAND
John Goldie Holden
161 Great Eastern Highway

MORLEY
Metro Motors Pty. Ltd.,
212 Walter Road

NAVAL BASE
Shacks Cockburn
15 Rockingham Road

OSBORNE PARK
North City Holden
Cnr. Scarborough Beach Rd.
& Harborne Street

PERTH
City Motors
505 Newcastle Street

VICTORIA PARK
Young's Holden
529 Albany Highway

WANNEROO
Phoenix Holden
316 Berriman Drive

WESTERN AUSTRALIA — Country Dealers & Service Dealers

Consult your local Yellow Pages under Motor Cars — New for Addresses and Telephone Numbers.

- ALBANY
- BEVERLEY
- BRIDGETOWN
- BROOKTON
- BRUCE ROCK
- BUNBURY
- BUSSELTON
- CARNAMAH
- CARNARVON
- COLLIE
- CORRIGIN
- CRANBROOK
- DALWALLINU
- ESPERANCE
- EXMOUTH
- GERALDTON
- GNOWANGERUP
- GOOMALLING
- KALGOORLIE
- KAMBALDA
- KATANNING
- KELLERBERRIN
- KOJONUP
- KUNUNURRA
- MANJIMUP
- MERREDIN
- MOORA
- MORAWA
- MT. BARKER
- NAREMBEEN
- NARROGIN
- NORSEMAN
- NORTHAM
- PINGELLY
- PINJARRA
- PORT HEDLAND
- QUAIRADING
- WAGIN
- WILLIAMS
- WYALKATCHEM

TASMANIA — Metropolitan & Country Dealers & Service Dealers

HOBART
Motors Pty. Ltd.,
179 Macquarie Street

BURNIE
Motors Pty. Ltd.,
84-89 Marine Terrace

DEVONPORT
Motors Pty. Ltd.,
628 Victoria Parade

KING ISLAND
King Island Motors Pty. Ltd.,
Netherby Road, Currie

LAUNCESTON
Motors Pty. Ltd.
165 Brisbane Street

SMITHTON
Motors Pty. Ltd.,
16 Nelson Road

ULVERSTONE
Motors Pty. Ltd.,
99 Reibey Street

SECTION 5 APPEARANCE CARE

CAUTION: Many cleaners may be poisonous or flammable or may cause damage to the vehicle interior/exterior. To help avoid serious personal injury and/or damage to the vehicle while using any cleaning agents or chemicals you should:

- **Follow the cleaning product manufacturers recommendations.**
- **Before using a product, ensure that it will not be harmful to the materials used in your vehicle.**
- **Ensure that the vehicle is well ventilated while using any cleaning agents in the interior.**
- **If using any flammable cleaning substance, do not allow naked flames or lighted cigarettes near the vehicle.**

CARE AND CLEANING OF THE INTERIOR

Cleaning Fabric-Type Trim

Dust and dirt which accumulates on the surface of fabric-type trim should be removed regularly with a vacuum cleaner or soft brush.

It is essential that spots or stains be removed from trim fabric as soon as possible after they have been made. If allowed to remain on the fabric for any length of time they very often become oxidised or set, and removal becomes difficult if not impossible.

REMOVAL OF NON-GREASY STAINS — Includes tomato sauce, coffee (black), egg, fruit, fruit juice, milk, soft drinks, wine, blood, etc.

- Carefully scrape off excess stain, then sponge fabric with cool water.
- If a stain remains, use a mild soap solution or cleaner such as AC Delco Fabric and Vinyl Cleaner.
- **Use suds only on a clean sponge or soft bristle brush. Do not saturate the fabric or rub it harshly with a brush. Immediately after cleaning, wipe off excess suds with a slightly damp absorbent cloth.**
- **Immediately after wiping, force-dry the fabric with an air hose or hair dryer.** (Use caution with hair dryer to help prevent fabric damage.)

REMOVAL OF GREASE, OIL AND FAT STAINS — Includes grease, oil, butter, margarine, shoe polish, coffee with cream, chewing gum, cosmetic creams, vegetable oils, wax crayon, tar and asphalts.

- Carefully scrape off excess stain, then use a suitable Spot Cleaner (Solvent Type). USE VERY LITTLE CLEANER, light pressure and clean cloths (preferably cheese-

cloth). Cleaning should start at the outside of the stain, "FEATHERING" toward the centre. Keep changing to a clean section of the cloth.

- When you clean a stain from fabric, immediately dry the area with an air hose or hair dryer to help prevent a cleaning ring. (Use caution with hair dryer to help prevent fabric damage.)
- If a ring forms, immediately repeat the cleaning operation over a slightly larger area with emphasis on "FEATHERING" towards its centre.
- Shoe polish, wax crayons, tar and asphalts will stain if left on trim, they should be removed as soon as possible. Use caution as the cleaner will dissolve them and may cause them to "bleed".

After cleaning, or better still when the vehicle is new, apply AC Delco Fabric Protector to help guard the fabric from future soiling.

Cleaning Vinyl Trim

Vinyl trim material should be regularly wiped over with a damp cloth to remove surface dust and dirt.

Should dirt accumulate and become embedded in the material pattern, the following procedure is recommended.

1. Using luke warm water and soap, or AC Delco Velour Fabric and Vinyl Cleaner, work up thick suds on a piece of cheesecloth, and apply to the surface. A soft bristle brush can be used to advantage to remove stubborn stains or dirt embedded in the grain of the material.
2. Wipe off suds with a damp clean cloth.
3. Wipe dry with a soft cloth.

Cleaning Carpet

Thoroughly brush or vacuum the carpet to remove loose dirt etc. If the carpet is extremely soiled it can be cleaned using AC Delco Velour Fabric & Vinyl Cleaner. Clean approximately one square foot at a time. After cleaning the carpet, use an air hose or hair dryer to dry the carpet.

Cleaning Seat Belts

Cleaning of the seat belts can be carried out by using a mild non-abrasive soap and luke warm water. After washing be sure to thoroughly sponge the washing solution out of the belts. Do not allow the belts to retract until they are thoroughly dry. Do not bleach or dye belts since this may severely weaken them.

Glass Surfaces

Glass surfaces should be cleaned on a regular basis. Use of AC Delco Glass Cleaner or a commercial household glass cleaner will remove normal tobacco smoke and dust films sometimes caused by ingredients used in vinyls and interior plastics.

Never use abrasive cleaners on any vehicle glass, as they may cause scratches. If abrasive cleaners are used on the inside of the rear window the electric defroster element may be damaged. Avoid placing decals on the inside rear window, since they may have to be scraped off later.

CARE AND CLEANING OF THE EXTERIOR

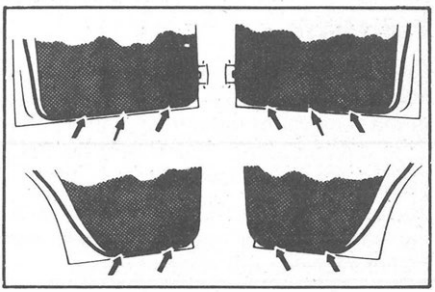
Before washing the paintwork on your vehicle check that the door drain holes are not blocked. The underbody should also be cleaned to remove deposits of mud and corrosive products.

Underbody

When a vehicle has been used under conditions exposing it to excessive mud and/or corrosive materials resulting from boat launching, driving along beaches or on tracks through fertilized paddocks, etc. — the underbody and wheels must be thoroughly flushed with fresh water to remove any deposited mud or corrosive material. Failure to perform this underbody cleaning promptly can result in accelerated rusting and deterioration of underbody components such as brake and fuel lines, frame, underbody floor pan, exhaust system, brackets, parking brake cables, etc.

Door Drain Holes

It is important that the drain holes at the bottom of the door panels are checked to make sure that they are free of dirt and foreign matter, which could trap water inside the panels. Clogged drain holes can be cleaned with a small blunt ended instrument, taking care not to damage the protective coating applied to the inside of the doors.



Care of Paintwork

The acrylic lacquer finish on your vehicle will maintain its new appearance for a long time provided it is cleaned and cared for regularly according to the recommendations given in this section.

Although the paintwork of the vehicle will provide a high degree of protection against the weather, normal wear and deterioration will take place when it is exposed to the elements for prolonged periods of time. **You should therefore protect or garage your vehicle whenever possible.**

Washing

If the vehicle is in continuous use, it should be washed regularly. Washing not only removes dirt and general road grime that settles on the vehicle but also dilutes those airborne acids resulting from industrial and natural fallout. Regular washing of vehicles located in coastal areas, to remove salt deposits, is essential if corrosion is to be avoided.

NORMAL WASHING PROCEDURE:

Before washing, ensure that the vehicle is cool. DO NOT wash paintwork while the car is exposed to strong, hot, direct sunlight.

(a) With cold running water and starting from the roof, hose the vehicle all over from top to bottom. Do not sponge or cloth at this stage. This will remove grit and other loosely adhering substances which could otherwise scratch the paint in the operations to follow.

(b) To a normal household bucket filled with lukewarm water, add NO MORE than two capfuls (approx. 15 ml) of a liquid detergent.

(c) Soak a clean sponge in the bucket then apply liberally by wiping over the roof area of the vehicle and all the exterior glass. Do not allow to dry out. Rinse off immediately with cold running water from the hose.

(d) Repeat this process all over the remainder of the vehicle leaving the wheels until last. Do only a section at a time and do not forget to rinse off the 'soapy' section before it dries.

(e) After a final cold water rinse all over, the vehicle should be dried with a good quality chamois paying particular attention to all glass and chromed trim.

Polishing

Regular polishing with a mild polishing cream, such as the AC Delco polishes available from your GMH Dealer, will enhance the appearance of the paintwork. Polishing also assists in the removal of foreign deposits not normally removed from paint finish by washing. Over a period of time such deposits may build up on the paint surface to the detriment of its overall appearance.

The use of polishes containing silicon on the paint finish before it has properly cured (before the paint solvents have completely evaporated — approximately three months from manufacture) is **not** recommended.

If silicon type polishes are used after this paint curing period, apply polish sparingly to avoid build up of polish layers on the paint film. These layers of polish detract from the original sheen of the paint finish.

NOTICE: Do not attempt to apply any polish to paint finish without first thoroughly washing the vehicle.

Removing Harmful Deposits

It is most important that any deposited material, whether natural or industrial, be removed from the paintwork at the earliest opportunity. **Prolonged contact may lead to permanent marring of the paintwork.**

BIRD & INSECT EXCRETION, TREE SAP & OTHER NATURAL DEPOSITS — For this type of stain removal FIRST use a warm water detergent mixture as for washing, and rinse off with clean, running water. Repeat if necessary and dry. Many 'Natural' types of fall out are water soluble and will be removed with this simple method.

GREASE, OIL, TAR & OTHER BITUMINOUS TYPE DEPOSITS — Remove with a little kerosene or mineral turpentine and then thoroughly hose and wash treated area immediately.

NOTICE: Do not apply kerosene or mineral turpentine to hot paintwork. Always allow paintwork to cool down first. Also, do not allow petrol to contact paintwork. Should this occur, wash off petrol immediately with clean water.

Any staining or spotting which remains after removing the deposits may possibly be removed by polishing.

Repairing Damaged Paintwork

Regular inspection of the vehicle should be made for scratch marks, cracks or damaged areas, all of which could develop rust and thus affect paint finish. Any deep scratches, cracks or break-down in the finish should be repaired without delay. Care should be taken to ensure that any rusting is counteracted immediately, otherwise rust "creep" will extend beyond the damaged area. This applies particularly in sub-tropical areas or coastal districts, where the moist or salt-laden atmosphere accelerates rusting if it is allowed to develop through neglect.

Cleaning Bumper Bars & Body Side Mouldings

Painted plastic bumpers (where fitted) can be cleaned and polished according to the instructions given for the normal vehicle paintwork.

Unpainted plastic bumpers and body side mouldings (where fitted) can be washed normally but should NOT be polished.

Polishing may lead to unsightly entrapment of polish residue in the grained finish.

Windscreen Cleaning

It is important, at all times, that the windshield surface be maintained in a clean condition so that the wiper blades may be as effective as possible in wiping clean the surface.

Abrasive materials must never be used to clean glass as they can cause scratches. A scratched windshield will cause difficulty in achieving proper vision, particularly in night driving. After the windshield has been cleaned with a wet sponge etc., it should be wiped over with a soft lint free cloth or chamois.

It is recommended that AC Delco 'Optikleen' be added to the washer reservoir at the concentration specified on the package. (NOTE: Excessive concentration of Cleaner may affect paint finish.) This solution is more effective than plain water in cleaning the windscreen and also reduces any tendency for the wiper blades to shudder.

Wiper Blade Maintenance

Much of the oil and road scum thrown up onto the windshield glass, causing smearing when the wiper is switched on, transfers onto the wiper blade. Many owners, whilst they methodically clean the windshield glass, omit to clean the wiper blades and consequently smearing of the glass re-appears immediately the wiper blades are set in motion.

The blades can be cleaned by simply lifting them off the windshield glass and then washing the wiping edge carefully with warm water and a suitable detergent.

NOTICE:

- **Never operate the wiper blades by hand as this may damage the wiper drive mechanism.**
- **Old or poorly maintained wiper blades can cause windscreen scratching and/or a smeary wipe. Therefore, the rubber element should be checked regularly and be replaced once or twice each year.**
- **If your vehicle is to be stored for long periods the blades should be lifted clear of the windscreen by placing the arms in the "lock back" position. Failure to do this can result in the rubber element becoming permanently distorted.**

Cleaning Tyres

Sponging with cold water is all that is necessary for normal cleaning of the tyres. Oil and grease should be removed with soap, and water or detergent. For tar or other substances, a mild abrasive, such as mechanics' hand soap or kitchen cleaning powder, may be used if necessary. Thoroughly wash the tyres with water to finish. Petrol must not be used for cleaning tyres.

New tyre look can be restored by using AC Delco Tyre Black.

Cleaning Alloy Wheels

To preserve the original appearance of alloy wheels (where fitted) keep them clean and free from build up of road dirt. AC Delco Mag Wheel Cleaner can be used for cleaning most alloy wheels, however, it is not suitable for cleaning highly polished alloy wheels. (Refer to instructions on bottle.) Do not use abrasive cleaners, as they could damage the protective coating.

APPEARANCE CARE AND MAINTENANCE MATERIALS

PART NO.	SIZE	DESCRIPTION	USAGE
M37432	390 x 370mm	Synthetic Chamois	Absorbs water and cleans paint, glass and chrome surfaces.
M37226	375ml	Wash & Wax	Exterior washing.
M37221 *	375ml	Liquid Silicon Polish	Exterior cleaner and polish.
M37220	250g	Polishing Cream	Exterior cleaner and polish.
M39219	1 litre	Liquid Polish	Exterior cleaner and polish.
M38695	250ml	Glass Cleaner	Cleans all glass surfaces.
M37933	500ml	Optikleen	Windshield washer solvent.
M38692	250ml	Mag Wheel Cleaner	Cleaning of all magnesium alloy wheels.
M38693	400g	Fabric Protector	Repels oil, grease and water-borne stains on most fabrics.
M38424	350g	Velour Fabric and Vinyl Cleaner	Cleans and deodorises velour, most fabric and vinyl upholstery, hood linings, mats and carpets.
M38696	250ml	Vinyl and Rubber Conditioner	Preserves and protects vinyl, leather and rubber.
M37429	304 x 250mm	Demister Cloth	Delays formation of mist on treated glass surfaces.
M39168	100 ml	Car Freshener	Deodorant — removes tobacco smoke and other odours.
M39169	250 ml	Spot Cleaner	Multi purpose spot and stain remover for trim and carpets.
M38694	250ml	Tyre Black	Low-sheen natural rubber finish for tyres.
M37223	400g	Degreaser	Removes oil and grease from motors.
M37225	175g	AC-4	— Dispenses moisture on wet motors and electrical components. — Penetrates and loosens rusted or seized parts. — Lubricates and protects against corrosion. — Inhibits corrosion on battery terminals.
M33028	27g	Solid Oil	Lubricant for locking mechanisms, door hinges, sticking windows.

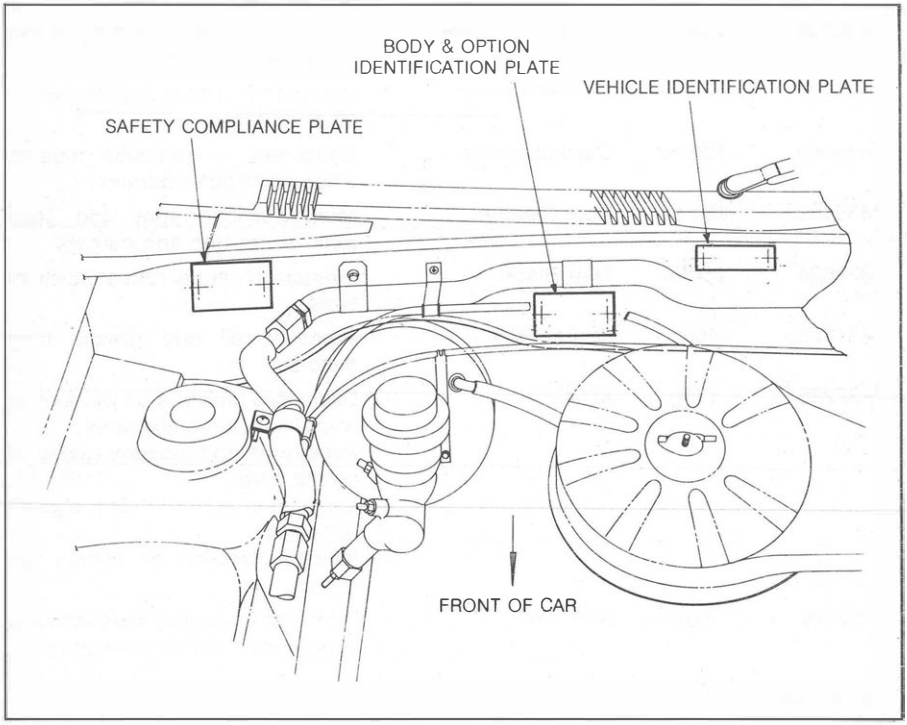
* Do not use on new paintwork less than three months old.

SECTION 6 SPECIFICATIONS AND EMISSION CONTROL SYSTEMS

These specifications are given here for information only. Before using them, see the Cautions and other instructions throughout this manual — the index may help you locate such items. For more information, see the service manual covering the chassis or body part in question. If in doubt about any item ask your GMH Dealer.

IDENTIFICATION NUMBERS AND PLATES

There are several identification numbers and plates on your vehicle that you should be familiar with. Most of these items are shown in the illustration which depicts the area around the driver's side suspension strut tower.



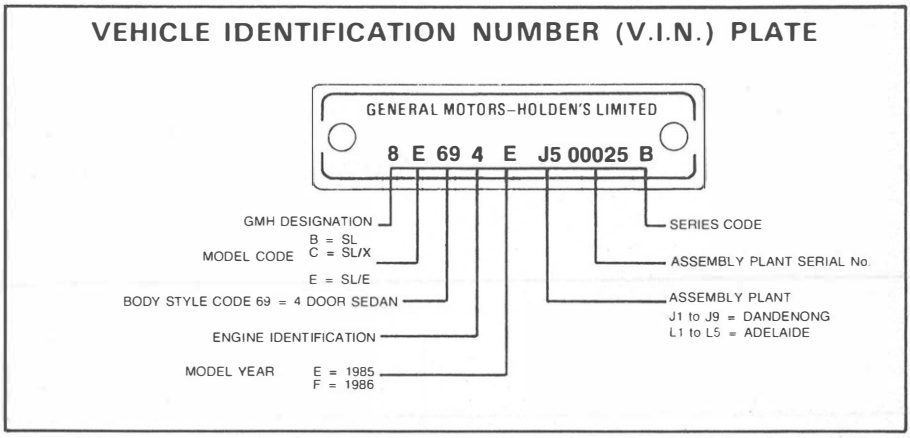
Vehicle Identification Number (V.I.N.) Plate

Attached to the top of the firewall behind the air cleaner.

The number appearing on this plate completely identifies the vehicle in one coded series of characters.

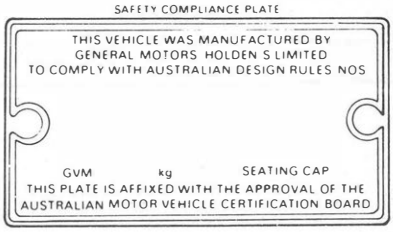
The significance of these characters or blocks of characters is explained below using an example identification number.

NOTE: The V.I.N. should be recorded on the Vehicle Identification Certificate on the inside of the front cover of this handbook.



Safety Compliance Plate

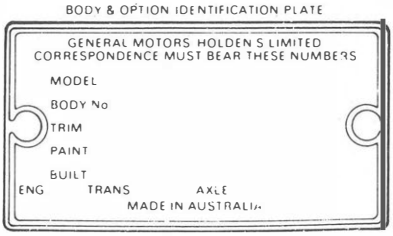
This plate shows the vehicle series, model, style, month and year of production, vehicle serial number, approved seating capacity, and the Australian Design Rules with which the vehicle complies.


SAFETY COMPLIANCE PLATE
THIS VEHICLE WAS MANUFACTURED BY
GENERAL MOTORS HOLDEN S LIMITED
TO COMPLY WITH AUSTRALIAN DESIGN RULES NOS
GVM kg SEATING CAP
THIS PLATE IS AFFIXED WITH THE APPROVAL OF THE
AUSTRALIAN MOTOR VEHICLE CERTIFICATION BOARD

Body and Option Identification Plate

This plate shows body styles, body serial number, paint and trim colour combination, paint number, date built, engine, transmission and axle ratio options.

The built date is defined as "the date of manufacture" by calendar month and year in which the body shell and power train sub-assemblies are cojoined and the vehicle is driven or moved from the production line.

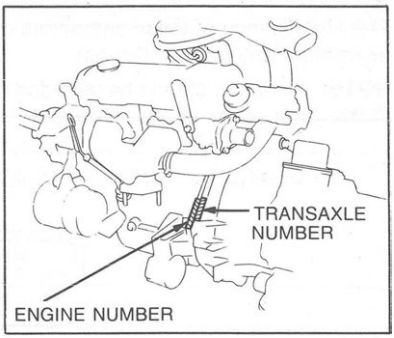


Vehicle Serial Number (Chassis Number)

This number is stamped into the left (passenger) side front rail near the strut tower. It is a sequential production serial number peculiar to each assembly plant.

Engine Number

Stamped on transaxle mounting flange towards front of vehicle.



Model Identification

Model range	Model Identification	V.I.N. Code number
Gemini SL	8RB 69	8B 69
Gemini SL/X	8RC 69	8C 69
Gemini SL/E	8RE 69	8E 69

Engine Data

Number of cylinders	4
Bore diameter	77 mm
Stroke	79 mm
Displacement	1471 cc
Taxable horsepower (RAC or SAE)	14.7
Kilowatts DIN @ rpm	52.2 @ 5000
Torque Nm DIN @ rpm	117.7 @ 3400
Compression ratio	9.6:1
Octane requirement (research method)	91
Idle speed	Refer Vehicle Emission Control Label
Valve clearance — Cold	Inlet 0.15 mm, Exhaust 0.25 mm
Cylinder numbering (from pulley end)	1, 2, 3, 4
Firing order	1, 3, 4, 2
Spark plug gap	1.1 mm
Spark plug type	BP5ES11 or W16EX-U
Ignition Timing	Refer Vehicle Emission Control Label
Idle mixture	Idle mixture and basic throttle settings have been preset and sealed. Removal of mixture screw caps and alterations to other than specified idle CO settings may violate state laws.

Transmission

Type	Manual 5 Speed	Automatic 3 Speed
Gear Ratio		
1st	3.727	2.841
2nd	2.043	1.541
3rd	1.448	1.000
4th	1.027	—
5th	0.829	—
Rev.	3.500	2.400
Final Drive Ratio	3.833	3.526

LUBRICANT AND FLUID SPECIFICATIONS

ITEM	FLUID/LUBRICANT SPECIFICATION
Engine Oil	Premium quality SF grade 20W-40 viscosity classification.
Engine Coolant	Mixture of water and good quality ethylene glycol base anti-freeze conforming to GM Spec. HN 1897 GM-H part no M39288 (litre). M39338 (4 litres) or M39290 (20 litres). Use 35% (by vol.) anti-freeze and 65% (by vol.) water.
Manual Transaxle	Use engine oil as specified above..
Automatic Transaxle	*DEXRON IID automatic transmission fluid only. (GM Part No. 9985286) *DEXRON IID is a registered trademark of General Motors Corporation.
Power Steering System	DEXRON IID automatic transmission fluid (see above).
Brake Master Cylinder	Heavy Duty Brake Fluid meeting GM Spec. HN1796.
Windscreen Washer	GM 'Optikleen' Washer Solvent and water

NOTE: For fluid/lubricant specifications of items not listed above, refer to the Service Manual.

CAPACITIES

	Litres
Engine Oil	
Not including oil filter	2.8
Including oil filter	3.2
Manual Transaxle and Final Drive Gear	2.75
Automatic Transaxle and Final Drive Gear	
Service Refill	2.8
Dry (Major overhaul)	6.0
Cooling system	
Manual	6.5
Automatic	6.5
Fuel tank	42.0

RADIATOR CAP

Pressure rating 103 kPa.

APPROXIMATE VEHICLE DIMENSIONS

(In millimetres unless shown otherwise)

Overall length	4035
Overall width	1600
Overall height	1375
Wheelbase	2400
Tread — Front	1390
Tread — Rear	1380
Turning Circle Diameter	
Kerb to kerb (metres)	10.2
Wall to wall (metres)	10.6
Ground Clearance	175

Approximate Vehicle Mass

Model	*Kerb Mass (kg)
SL sedan	847
SL/X sedan	849
SL/E sedan	879

*The Kerb Mass represents a standard unloaded vehicle without any options but with a full tank of petrol. Fitting options such as automatic transaxle, air conditioning, etc. will alter the kerb mass of your vehicle.

Wheels and Tyres

NOTE:

1. Always refer to the tyre placard in the glove box for specifications for your vehicle.
2. If replacing the wheels on your Gemini with non standard wheels please refer to the Wheel Replacement CAUTION given in Section 7A.

Wheel	Tyre size	Recommended Cold Inflation Pressure — kPa (psi)			
		Up to 3 Passengers		Up to Maximum Load	
		Front	Rear	Front	Rear
4.5J x 13 Steel	P165/75SR13	180 (26)*	180 (26)*	240 (35)	240 (35)
5.0J x 13 Steel	P165/75SR13	180 (26)*	180 (26)*	240 (35)	240 (35)
5.5JJ x 14 Alloy	P175/65HR14	180 (26)*	180 (26)*	240 (35)	240 (35)
5.5JJ x 13 Steel	P165/75SR13	180 (26)*	180 (26)*	240 (35)	240 (35)

Where shown * 30 KPa (4psi) to be added when vehicle is used for consistent high speed operation.

Wheel Nut Torque

Recommended wheel nut tightening torque: Steel Wheel — 80-100 Nm
Alloy Wheel — 100-120 Nm

BULB SPECIFICATIONS

	Wattage (12 Volt)
Headlight (Halogen Semi-sealed beam)	
High/Low	60/55
Front Combination Light	
Turn Signal	23
Parking	5
Front Side Flasher Light	5
Rear Combination Light	
Turn Signal	23
Stop/Tail	21/5
Back-up	23
Licence Plate Light	5
Dome Light	8

For specifications of all instrument panel illumination and warning lights see your GMH Dealer or the Service Manual.

EMISSION CONTROL SYSTEMS

Your vehicle is fitted with emission control systems which are designed to reduce the amount of hydrocarbons (HC), carbon monoxide (CO), and oxides of nitrogen (NO_x) that are emitted from the engine and fuel system into the atmosphere. Hydrocarbons and oxides of nitrogen, when exposed to sunlight under certain conditions, produce photochemical smog. In addition, carbon monoxide is toxic when it becomes highly concentrated in the air.

The three major emission control systems fitted to your vehicle are:

1. **Evaporative Emission Control System**
   This system is designed to prevent the escape of fuel vapours from the fuel system and recycle them through the normal combustion process.
2. **Crankcase Emission Control System**
   This system is designed to prevent blow-by gases from escaping into the atmosphere and recycle them through the combustion process.
3. **Exhaust Emission Control System**
   The various components of this system operate collectively to limit HC, CO and NO_x emissions in the exhaust gas. The exhaust Emission Control System is comprised of components such as the carburettor, spark advance control, cooling system thermostat, catalytic converter etc.

For detailed information on the operation, servicing and repair procedures for these systems, refer to the appropriate service manual for your vehicle.

OWNER RESPONSIBILITY

Your vehicle's emission control systems have been designed to meet the requirements of Australian Design Rules and State Regulations.

To ensure that these components achieve their purpose of controlling the emission of pollutants to the atmosphere, the engine or exhaust system of your vehicle must **not** be modified in any way. Any departure from the manufacture's design specifications may increase the emissions or otherwise defeat the intent of the regulations.

IMPORTANT: ANY PERSON WHO REMOVES, MODIFIES OR OTHERWISE RENDERS INEFFECTIVE ANY EMISSION CONTROL COMPONENTS FITTED TO A VEHICLE WILL BE CONTRAVENING THE RELEVANT REGULATIONS AND BE GUILTY OF AN OFFENCE UNDER THE REGULATIONS. ANY PERSON WHO OWNS AND/OR OPERATES SUCH A VEHICLE COULD ALSO BE GUILTY OF AN OFFENCE UNDER THE REGULATIONS.

MAINTENANCE REQUIREMENTS

To ensure continuing compliance with the regulations it will be necessary for you to maintain your vehicle's emission control systems in accordance with the instructions given in the GMH Maintenance Plan (refer Section 7B) and the relevant Service Manuals.

It is recommended that the necessary servicing be performed by an authorised GMH Dealer who has the specialised servicing equipment and trained personnel available to ensure that the adjustments and services specified are carried out.

SERVICE REPLACEMENT PARTS

To ensure that your vehicle complies with the regulations it is imperative that any replacement parts used for maintenance services or for the repair of the emission control systems be new GM parts. Use of replacement parts other than genuine GM parts may impair the effectiveness of such systems.

VEHICLE EMISSION CONTROL INFORMATION LABEL

This label which is located in the engine compartment, contains all the necessary information required to correctly tune the engine in your vehicle.

The engine label is located on the underside of the engine hood.

VEHICLE EMISSION CONTROL INFORMATION GM

SET IDLE SPEED, AND MAKE TIMING ADJUSTMENT WITH THE ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE OPEN, AIR CONDITIONING OFF IF INSTALLED, DASHPOT FULLY SHIFTED, AIR CLEANER INSTALLED, AND CANISTER PURGE LINE AND THERMO VALVE VACUUM LINE DISCONNECTED AND PLUGGED.

TURN ALL ELECTRICAL SWITCHES OFF AND WAIT FOR THE ELECTRICAL FAN TO STOP BEFORE MAKING ANY ADJUSTMENTS. RECONNECT VACUUM LINES WHEN ADJUSTMENTS ARE COMPLETED.

SET PARKING BRAKE AND BLOCK DRIVE WHEELS.

KEEP FRONT WHEELS STRAIGHT AHEAD IF POWER STEERING IS EQUIPPED.
PLACE TRANSAXLE IN NEUTRAL.

1. **ADJUST THROTTLE STOP SCREW TO SPECIFIED SPEED.**
2. **DISCONNECT DISTRIBUTOR VACUUM LINES AND SET IGNITION TIMING 3° ±1° BTDC AT SPECIFIED IDLE SPEED.**
   RECONNECT DISTRIBUTOR VACUUM LINES AND ENSURE THAT IGNITION TIMING IS APPROXIMATELY 24° BTDC @ 750 R.P.M. FOR MANUAL AND 10° BTDC @ 1000 R.P.M. FOR AUTOMATIC. IF IDLE SPEED CHANGES, RESET TO THE SPECIFIED IDLE SPEED WITH THROTTLE STOP SCREW.
3. **DASHPOT SETTING—RECONNECT ALL VACUUM LINES, MAINTAIN THE ENGINE SPEED BETWEEN 2900-3100 R.P.M. FOR MANUAL AND 3700-3900 R.P.M. FOR AUTOMATIC. SET THE DASHPOT TO CONTACT THE DASHPOT SHAFT END WITH ADJUSTING SCREW OF THE THROTTLE LEVER.**
4. **FOR AIR CONDITIONING ONLY—RECONNECT ALL VACUUM LINES.**
   TURN AIR CONDITIONING ON MAXIMUM COLD AND HIGH FAN.
   ADJUST THE FAST IDLE CONTROLLER DIAPHRAGM ADJUSTING SCREW TO GIVE A FAST IDLE SPEED OF 850 R.P.M. (MANUAL), 980 R.P.M. (AUTOMATIC).

REFER SERVICE MANUAL FOR FURTHER INFORMATION.

IDLE MIXTURE ADJUSTING SCREW IS PRE SET AND SEALED AT THE FACTORY.

PROVISION FOR ADJUSTMENT DURING TUNE UP IS NOT PROVIDED.

ENGINE	IGNITION	PLUG GAP	TRANS.	IDLE R.P.M.	
L4 147100	24° BTDC @ 750 R.P.M. 10° BTDC @ 1000 R.P.M.	1.1 mm	MAN. AUTO.	750 ± 50 1000 ± 50	92030356 HA

SECTION 7A GENERAL MAINTENANCE INFORMATION

General Motors-Holden's Limited recommends that your vehicle be serviced at authorised GMH Dealers. These dealerships are equipped with facilities, trained personnel and General Motors parts to service and maintain your vehicle to factory recommendations.

The routine checks and scheduled maintenance services your car requires are described in the "GMH Maintenance Plan" in Section 7B of this handbook. Also included in Section 7B are the Owner's and Dealer's responsibilities releated to servicing of vehicles. Ensure that you fully understand these responsibilities as failure to do so may affect your warranty.

The "GMH Maintenance Plan" is supplemented by this section (7A) which describes in detail many of the items that require servicing. GMH also publishes various service manuals which are available from your Dealer or from:—

Stan H. Earle,
46 Isabella Street,
Moorabbin, Vic., 3189.

CAUTION: As with any machine, take care when making any check, doing any maintenance, or making any repair, to avoid being injured. Note that some of the materials in this car may be hazardous if used, serviced, or handled improperly. Improper or incomplete service could also lead to the vehicle not working properly which may result in personal injury, or damage to the car or its equipment. If you have any question about carrying out some service, have the service done by a skilled technician.

REPLACEMENT FASTENERS

During vehicle maintenance, any fasteners used to replace older ones must have the same measurements and strength as those removed. Fasteners taken from the car should be saved for re-use in the same spot except where a mandatory replacement is required. Where a fastener cannot be used again, take care to choose a replacement that matches the old one. When retightening always use the specified torque (refer to Service Manual). For information and help, see your GMH dealer.

CAUTION: This car is primarily dimensioned in the metric system. Most fasteners are metric and many are very close in dimension to common imperial and SAE fasteners. Mismatched or incorrect fasteners can result in damage to the car or possibly personal injury.

ENGINE OIL AND FILTER RECOMMENDATIONS

It is vital that the following engine oil recommendations are adhered to if you are to obtain optimum reliability and life from your vehicle's engine.

Initial Oil Fill and Running-In

A high quality 'SF' oil was installed in your engine at the factory. It is not necessary to change this factory installed oil prior to the first recommended normal change period. During the running-in period you should check the oil level more frequently since oil consumption may be higher until the piston rings become seated.

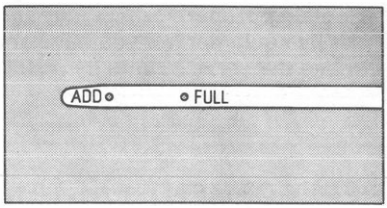
Checking Oil Level

The engine oil must be maintained at the right level to assure proper lubrication of your car's engine. It is the owner's responsibility to check the oil level at regular intervals, according to the following instructions.

If you check the oil level when the oil is cold, do not run the engine first. The cold oil will not drain back into the oil pan fast enough to give a true oil level

If the oil level is to be checked after the engine has been running, sufficient time must be allowed for the oil to drain back into the crankcase. To assist in the above, it is suggested that during a refuelling stop, the oil level check should be the final operation carried out.

To make an accurate oil level check:



- Park the car on a level surface.
- Remove the dipstick and wipe it clean.
- Reinsert the dipstick all the way into the tube for an accurate reading.
- Remove the dipstick and check the oil level. It should be between the two markings.
- After taking the reading, replace the dipstick in its tube.

If the dipstick shows the oil level below bottom mark, add sufficient oil into the oil filler located on the rocker cover to raise the level to the top mark.

The distance between the top and bottom marks represents approximately 1.0 litre of oil.

Do not overfill.

Choosing the Right Quality and Grade of Oil

Use only premium quality 'SF' oil of a suitable S.A.E. viscosity grade. The preferred viscosity grade recommended for most driving conditions encountered in Australia is 20W-40. Under conditions of prolonged periods of driving in ambient temperatures consistently above 30°C, it may be advantageous to use 20W-50 oils.

Viscosity classifications such as 15W-40 are marketed typically as 'friction modified' oils and may be used.

However, the need for these lower W grade oils for easier cold starting is not considered necessary for Australian climatic conditions.

NOTICE: Non-detergent, break-in oils and other low quality oils are specifically not recommended for use in your engine. Similarly, the use of tune up compounds, friction reducing compounds and other supplemental additives is not recommended. Use of any of these may void your new vehicle warranty.

Oil Change Intervals

Under **normal** operating conditions the engine oil should be changed at the 5000 km (or 3 month) Service then at every 10,000 km (or 6 months) thereafter.

However, if the vehicle is operated under **extreme conditions** such as continuous driving on dusty roads, towing long distances or stop/start short distance driving, then the oil will need to be changed more frequently. Under these conditions it is recommended that the oil be changed every 5000 km or 3 months, whichever occurs first. Refer to 'Vehicle Operating Conditions' in Section 7B for more details.

Used Oil Disposal

Do not dispose of used engine oil (or any other oil) in a careless manner such as pouring it on the ground, into sewers, or into streams or bodies of water. Instead, recycle it by taking it to a used oil collection facility which may be located in your area. If you have a problem disposing of your used oil, it is suggested that you contact your dealer or a service station.

Oil Filter Replacement

The oil filter should be replaced at the 5000 km (or 3 month) service then at every 10,000 km (or 6 months) thereafter.

However, under prolonged dusty driving conditions it is recommended that the filter be replaced every 5,000 km or 3 months, whichever occurs first.

NOTE: When replacing the oil filter remember to add additional oil. Refer to engine oil capacities in Section 6. Always use AC brand oil filters for replacement purposes.

Some Notes on Oil Consumption

Every internal combustion engine uses a certain amount of oil, especially during the running in period. Your engine is dependant on oil to lubricate the cylinder walls, pistons, rings and valve stems. A thin film of oil is left on the cylinder walls, some of which is carried into the combustion chamber and burnt during the combustion process. This also applies to the film of oil on the valve stems which is drawn into the combustion chamber and burnt.

There are several other factors that contribute to the rate of oil consumption in your engine, apart from mechanical malfunctions such as worn pistons, rings, valve stems and guides. These factors are: the way in which the vehicle is operated, the quality and grade of oil, the oil level, and dilution of the oil.

- **Operation of the Vehicle**
  Sustained high engine speeds will increase oil consumption because higher speeds increase engine temperature which lowers oil viscosity thus allowing more oil to reach the combustion chamber. Towing a heavy load will also result in increased oil consumption due to increased engine temperature and hence lower oil viscosity.

  It is recommended that heavy load towing be done only after the vehicle has been 'run-in'.

- **Quality and Grade of Oil**
  Oil viscosity is a significant factor in oil consumption, therefore if you use an oil which is too "thin" (low viscosity) your oil consumption will increase. Refer to the chart in this section for the correct grade of engine oil to suit your driving conditions.

- **Oil Level**
  Maintaining a proper oil level is also an important factor in controlling oil consumption. An overfull crankcase allows the reciprocating parts of an engine to splash oil onto the cylinder walls in quantities greater than the piston rings can control. This excess oil will be drawn into the combustion chamber and burnt. Refer to 'Checking Oil Level' in this section for maintaining correct levels.

- **Dilution**
  Probably the most prevalent complaint of oil consumption comes from the motorist whose vehicle is frequently driven at below normal operating temperatures. The oil becomes diluted by fuel and moisture which settles in the oil pan and may even raise the oil level creating a false reading on the oil level dipstick. For example, in a vehicle that has accumulated 1,500 kilometres of short distance or intermittent city operating and has consumed a normal amount of oil, the level may not have dropped from the "Full" mark, due to dilution. If this vehicle is driven for some distance at highway speeds on a warm day, the dilution elements evaporate, lowering the oil level and the motorist assumes the oil "lost" has been consumed in the highway operation.

  After taking into account the above factors, if you are still concerned that your engine has excessive oil consumption then you should discuss the situation with a GMH Dealer. Remember that an engine's oil consumption should not be judged until it has run at least 7,000 kilometres.

TRANSAXLE LUBRICANTS

Manual Transaxle

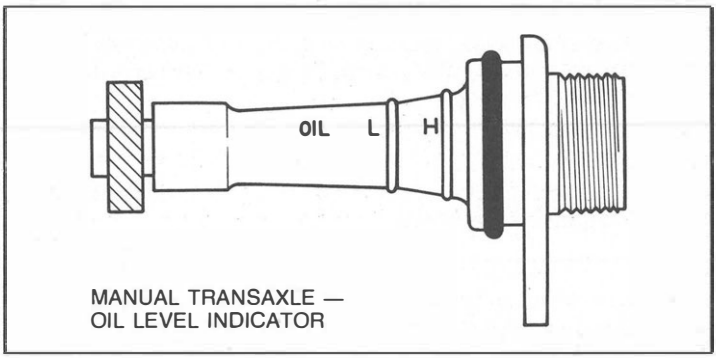
The oil level in the manual transaxle must be checked and/or replaced at the intervals specified in the Maintenance Schedule. Refer Section 7B.

Check the lubricant level only when the engine is switched off, the vehicle is level and the transaxle is cool enough so that you can rest your fingers on the transaxle case.

To check, remove the speedometer driven gear assembly on the left hand (passenger's) side of the case, above the axle shaft. Ensure that the lubricant level is between the 'L' and 'H' marks on the speedometer driven gear bushing. If required, add enough lubricant to bring the level up to the 'L' mark.

When reinstalling the speedometer driven gear assembly make sure it is fully seated.

For the correct specification of oil to use in the transaxle refer to the lubricant chart in Section 6, "Specifications".



MANUAL TRANSAXLE —
OIL LEVEL INDICATOR

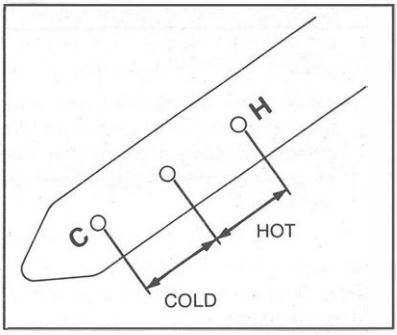
Automatic Transaxle

The oil level in the automatic transaxle must be checked and the oil replaced at the intervals specified in the Maintenance Schedule contained in Section 7B.

FLUID LEVEL — COLD CHECK

The procedure for checking a cold transaxle is as follows:

1. Vehicle to be parked on level surface.
2. Apply the parking brake and place the shift lever in PARK. DO NOT MOVE THROUGH RANGES.
3. Start the engine.
4. Check the fluid level. This check must be performed after the engine has been allowed to idle for one minute and not longer than



two minutes. To check the level, withdraw the dipstick, wipe it clean, insert it as far as it will go and then remove it. The correct level is between the two dimples of the 'Cold' range. The topping up quantity between these two dimples is 0.5 litre.

FLUID LEVEL — HOT CHECK

To check the fluid level when the transaxle is warmed up to normal operating temperature the following procedure should be used:

1. Park vehicle on level surface and leave engine idling.
2. Apply the parking brake and place the shift lever in PARK.
3. To check the level, withdraw the dipstick, wipe it clean, reinsert it as far as it will go and then remove it. The correct level is between the two dimples of the 'Hot' range. The topping up quantity between the two dimples is 0.5 litre.

NOTES:

- For the correct specification of fluid to use in the automatic transaxle refer to the Lubricant Chart in Specifications, Section 6.
- The correct fluid level will not be obtained if it is checked immediately after driving the vehicle at high speed or in city traffic during hot weather. Wait until the fluid has cooled to about 93°C before checking.
- Extreme cleanliness should be exercised during checking and topping-up operations since any dirt particles entering the transaxle could cause severe malfunctions.
- If it has been necessary to add fluid repeatedly, have the transaxle checked by your GMH Dealer to determine the cause.

SERVICING

As all adjustments, cleaning and servicing of automatic transmissions requires specialised equipment and knowledge it is recommended that these operations be performed by an authorised GMH Dealer.

ENGINE COOLING SYSTEM

CAUTION:

- **OVERHEATING — If your cooling system overheats, see "Engine Overheating" in Section 3. Continued operation of the engine even for a short time could result in a fire and the possibility of personal injury and/or severe vehicle damage.**
- **ELECTRIC COOLING FAN — Your vehicle is fitted with a temperature controlled electric radiator cooling fan as standard equipment. Therefore, when working around the engine compartment with the engine running or ignition ON, keep clear of the fan as it may start operating without warning.**

Your vehicle has a coolant recovery system. Coolant in the system expands with heat and overflows into the recovery tank. When the system cools down, coolant is drawn back into the radiator.

Coolant Specifications

The cooling system was filled at the factory with a quality coolant that meets GMH specifications.

The cooling system is designed to use coolant (a mixture of ethylene glycol antifreeze fluid and water) rather than plain water. The coolant solution must be used year round to provide:

- freezing protection down to –16°C,
- boiling protection,
- protection against rust and corrosion in the cooling system,
- the proper engine temperature for efficient operation and emission control, and
- proper operation of the coolant temperature gauge.

The recommended coolant for topping up or replacement purposes is a premixed solution of clean water and ethylene glycol antifreeze fluid meeting GM specification HN 1897; GM-H part no M39288 (1 litre), M39338 (4 litres) or M39290 (20 litres). The recommended mixture ratio is 35% (by volume) antifreeze to 65% (by volume) clean water.

CAUTION: Ethylene glycol anti-freeze fluid is poisonous. Use extreme care when handling this material, particularly when draining your vehicle's cooling system. If swallowed seek medical attention. Avoid contact with eyes and skin. Wash any contact area immediately with water. Avoid inhaling vapour. Use in well ventilated areas.

Checking Coolant Levels

CAUTION: Do not remove the radiator cap when the engine and radiator are hot. Scalding fluid and steam can be blown out under pressure if the cap is removed from a hot radiator.

Check the cooling system at regular intervals, such as during fuel stops. You usually do not need to remove the radiator cap to check the coolant level. Lift the engine hood and look at the "see through" coolant recovery tank. When the engine is either hot or cold, the coolant should be just below the 'MAX' mark on the recovery tank.

If the coolant level is low, remove the cap on the coolant recovery tank. Add to the recovery tank enough of a premixed solution of water and a good quality ethylene glycol antifreeze (meeting GM Spec. HN 1897) to bring the level up to the proper mark. Put the cap back on the recovery tank.

Certain conditions, such as air trapped in the system may affect the coolant level in the radiator. Therefore, the level in the radiator should be checked at least weekly, preferably when the engine is cold.

Follow steps 1 and 5 of 'Coolant Replacement' (see over) for the correct way to remove radiator cap and add coolant.

If you regularly have to add coolant to either the radiator or the recovery reservoir you should see your GMH dealer for a cooling system check.

Coolant Replacement

Periodic replacement of coolant is needed to replace the anti-corrosion additives that wear out with use.

To maintain the cooling system in good condition it is recommended that every 24 months or 40,000 km the coolant be replaced. This will ensure that the accumulation of scale and corrosion products is kept to a minimum thereby keeping the cooling system clean and operating efficiently.

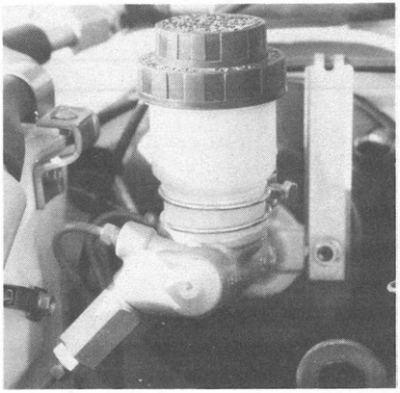
Drain, flush and refill the cooling system as follows:—

1. When the engine is cool, remove the radiator cap as follows:
   - Turn the cap slowly to the left until it reaches a "stop". Do not press down while turning the cap.
   - Wait until any remaining pressure (indicated by a hissing sound) is relieved, then press down on the cap and continue turning it to the left until it can be removed.
2. To drain the coolant, open the drain valve at the bottom of the radiator and completely drain the system. Now close the drain valve.
3. Refill the system with clean water and run the engine for a short time to allow the water to circulate right through the system.
4. Drain the water again as per step 2.
5. **REFILLING/AIR BLEEDING**
   - Prepare a premixed coolant comprising water and good quality ethylene glycol antifreeze (meeting GM Spec HN 1897) in the proportion specified previously in 'Coolant Specifications'.
   - Fill the radiator with coolant until the level reaches the mid point of the filler neck. Reinstall and tighten radiator cap.
   - Move the heater temperature control lever to 'HOT' (to allow coolant to flow through heater core) and then start the engine. Allow the engine to warm up to operating temperature.
   - When the engine cooling fan begins to turn, switch the engine off.
   - Allow the engine and radiator to cool sufficiently, then slowly remove the radiator cap and check the coolant level.
   - If the coolant level has dropped then add coolant until the level once again reaches the midpoint of the filler neck.
   - Start the engine and allow it to idle with the radiator cap off. If the coolant level falls then top up as required until the level does not fall.
   - Reinstall radiator cap tightly.

NOTICE: To avoid engine overheating, the above refilling procedure must be followed so that any trapped air is expelled from the cooling system.

BRAKE FLUID LEVEL

The fluid level in the master cylinder should be checked regularly in conjunction with checking the oil and coolant levels. The fluid level visible through the 'see through' reservoir should be maintained between the MIN and MAX level markings. If the fluid is between these levels **do not** remove the master cylinder cap. Remember that brake fluid exposed to the atmosphere will quickly absorb moisture which in turn lowers the performance of the fluid as well as increasing risk of corrosion of brake components.



If the fluid level drops to 'MIN' or below, then you should top up to the 'MAX' mark with a new brake fluid of the type specified in 'Specifications', Section 6 of this book.

NOTICE: Use only new brake fluid. Use of an old, used or inferior brake fluid may endanger the functioning of the brake system.

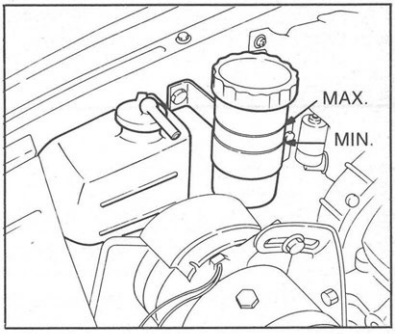
If the master cylinder requires regular topping up it indicates that there could be a malfunction within the brake hydraulic system in which case it should immediately be brought to the attention of your GMH Dealer. A gradual drop in fluid level usually occurs over a long period as the brake pads and linings wear out. This is normal.

Brake Fluid Replacement

At the intervals specified in the Maintenance Schedule, Section 7B, the brake hydraulic system **must** be drained, flushed and refilled with specified grade of brake fluid from a newly opened container.

POWER STEERING SYSTEM FLUID LEVEL

Check the fluid level in the power steering system at the intervals recommended in the Maintenance Schedule, Section 7B.



The fluid level is checked at the plastic reservoir which is mounted on the driver's side inner fender. When the fluid is warmed up to normal operating temperature the level should be between the minimum and maximum indicators on the outside of the reservoir.

If fluid is at, or below the minimum mark, fluid should be added to the appropriate level.

Do not overfill the reservoir.

Refer to Lubricant Specifications in Section 6 for the correct power steering fluid to use.

This fluid does not need periodic changing under normal service conditions.

WINDSCREEN WASHER RESERVOIR

The windscreen washer reservoir is mounted in the engine compartment on the driver's side strut tower.

For best results, fill the reservoir(s) with a solution of water and AC Delco Optikleen Washer Solvent (Part No. M37933). Use at the concentration recommended on the package.

NOTICE: Do not operate the washer switch when the reservoir is empty and never operate the wiper on a dry screen. Failure to observe this warning could result in a scratched windscreen.

WINDSCREEN WIPER BLADES

The wiper blades should be cleaned regularly by lifting them off the windshield glass and washing the wiping edge carefully with warm water and a suitable detergent.

If the wiper blades do not wipe the windscreen clean after the blades and windscreen have been washed, renew the rubber element. In normal service, wiper blade elements should be replaced once or twice each year.

ENGINE DRIVE BELTS

The various engine drive belts should be kept at the correct tensions. A loose belt will wear more quickly and the resultant slipping does not allow the particular component viz; generator, air conditioning compressor or power steering pump, to perform correctly. Overtensioned belts can result in premature bearing failure in these components.

Inspection and adjustment of drive belts should be carried out at the intervals specified in the Maintenance Schedule or as required to maintain correct operation at all times. If you have any doubts about servicing the engine drive belts yourself then have it done by a GMH Dealer. He has the necessary equipment to correctly tension the drive belts.

AIR CLEANER

The air cleaner element is disposable and should be replaced as outlined in the Maintenance Plan. Do not wash or oil it or clean it with an air hose. If your vehicle operates in dusty conditions for any length of time the element should be replaced more often. Your GMH Dealer can advise you. When replacing the element, a genuine GMH replacement cleaner element is recommended.

CAUTION: The air cleaner also functions as a flame arrestor in the event of engine backfire. The air cleaner should be installed at all times unless temporary removal is necessary for repair or maintenance. With the air cleaner removed, backfiring could cause fire in the engine compartment.

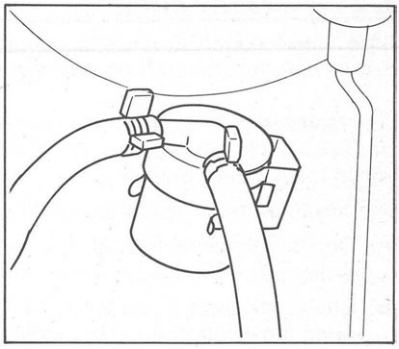
CLUTCH

Check that free travel of clutch pedal (freeplay) is approximately 15 mm. If required, freeplay can be adjusted by the adjusting nut on the clutch cable.

Lubricate the clutch pedal bushing and clutch control cable ends at the intervals shown in the Maintenance Schedule. Use a water resistant EP chassis grease of the type specified in the Service Manual.

FUEL FILTER

The cartridge type fuel filter must be replaced at the intervals recommended in the Maintenance Schedule. Normally, replacement of the filter is not necessary before the recommended interval unless dirty fuel causes the element to clog. The fuel filter is located in the engine compartment near the charcoal canister. When replacing filters use only Genuine Replacement Parts.



EVAPORATIVE CONTROL SYSTEM

At the intervals specified in the Maintenance Schedule, in Section 7B, check all the fuel and vapour lines for condition, attachment and routing. The evaporative emissions canister should be checked for leaks and/or blockage and the purge control valve for correct operation, following the procedures given in the relevant Service Manual.

SPARK PLUGS

To maintain efficient engine operation, control exhaust emissions and achieve optimum fuel economy the spark plugs must always be in good firing condition.

Spark plugs should be replaced at the intervals recommended in the Maintenance Schedule in Section 7B. More frequent maintenance or replacement may be required when operating conditions and/or fuel used causes plug fouling.

When replacements are needed, always use plugs of the type specified for your vehicle and set to the specified gap with a feeler gauge.

For spark plug and gap specifications refer to Section 6.

BATTERY (12 VOLT)

The battery which is located in the engine compartment just behind the left side headlamp, has its Negative (—) terminal 'grounded'.

NOTICE: Never disconnect the battery while the engine is running as this could cause damage to the vehicle's electrical components.

CAUTION: Follow the precautions listed in the 'jump starting' caution (see Section 3 of this manual) when working on or near a battery. Personal injury (particularly to the eyes) or property damage may result from battery explosion, battery acid or electrical (short circuit) burns.

Battery Maintenance

Care of your battery is very simple but extremely important. The battery installed in your vehicle will be either a 'Low Maintenance' type or a 'Maintenance Free' type.

Low Maintenance Battery — In normal service, check the electrolyte level at one month intervals. During hot weather, or if driving long distances at high speeds, check the electrolyte level more frequently.

The level can be checked using either of the following methods:

(A) Observe the level through the translucent battery case. The level should be maintained between the 2 lines marked on the case.

(B) Check the level in each cell by removing the screw caps. The maximum level is when the electrolyte is just touching the bottom of the vent tube. The minimum level is up to 5 mm below the vent tube.

Add only distilled water, as required, to maintain the level of electrolyte in each cell. DO NOT OVERFILL.

Maintenance Free Battery — This type of battery is completely sealed except for some very small vent holes in its top. It has no filler caps and **never needs to be topped up.**

To clean any corrosive products from the outside of either type of battery, wash with a diluted ammonia or baking soda solution and then flush off with clean water. Take care to prevent neutralizing solution from entering any cells.

Battery terminals should be made shiny with a wire brush or abrasive paper. Cover the terminals and clamps with a thin coating of petroleum jelly to help retard corrosion.

NOTE: If your vehicle is to be left standing for a period of 30 days or more without operating the engine, it is recommended that the battery be disconnected at the negative (ground) terminal. Failure to do this could result in the battery being discharged due to the current draw of any electronic components that operate with the ignition off.

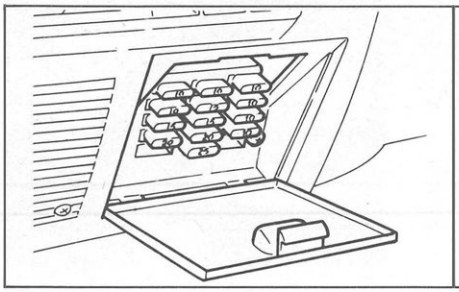
If your battery ever requires recharging it is recommended that you have this job done by a GMH Dealer or a qualified automotive technician. In other cases, refer to the service manual for your vehicle to obtain the correct recharging procedure.

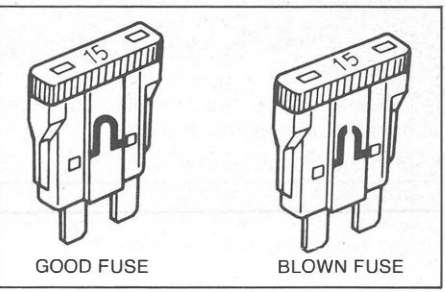
To meet your car's power requirements it is recommended that when you need to replace your battery, you choose an AC-Delco battery of the type which is specified for your vehicle.

FUSE SYSTEM

The fuse block is located behind a flush fitting plastic cover at the lower right hand side of the instrument panel. To gain access to the fuses, open the hinged cover by pulling downwards.

Fuses can be identified by referring to the fuse layout on the inside of the fuse box cover.





Fuses used are of the blade type with the amperage value of each fuse moulded into its head. To determine whether or not a fuse is 'blown', it is necessary to remove the suspect fuse and examine the element in the fuse. If the element is broken (see illustration), replace the fuse with one of the same amperage value.

If after replacing a burnt-out fuse, the new fuse also burns out, this indicates that the fuse is still overloaded. The cause of the fault should be located and rectified, preferably by a GMH Dealer.

CAUTION: When replacing a fuse be sure to use a fuse of the specified amperage. Never install a wire or similar device to replace a fuse as it could damage electrical components and may cause a fire hazard to the vehicle.

Fusible Link

The main wiring harnesses in your vehicle are protected from electrical overload by fusible links incorporated into the wiring system.

In case of a short circuit, the link will melt internally thus disconnecting the battery. The insulation encasing the fusible link is designed to withstand the extremely high temperatures generated in the fusing process thereby minimizing the risk of fire.

See your GMH Dealer if fusible link replacement becomes necessary.

BULB REPLACEMENT

Refer to 'Specifications' Section 6 of this handbook for correct specifications of replacement bulbs.

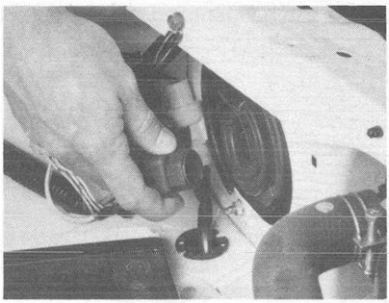
Headlights

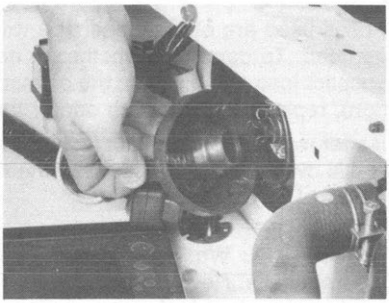
Access to headlight bulbs for replacement purposes is from within the engine compartment.

When servicing headlights do not touch bulbs or reflectors with bare hands. Greasy fingers will cause stains which evaporate — eventually resulting in a dull reflector. Grease spots and even finger marks on halogen-bulbs will lead to bulb failure within a short time.

Inadvertently stained bulbs may be cleaned with tissue paper, or a clean non-fuzzy cloth, using alcohol or white spirits.

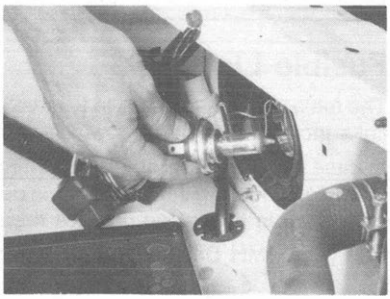
1. Remove wiring connector from the back of the bulb.
2. Remove protective rubber cover from rear of headlight.
3. Release spring clip which retains bulb in housing and withdraw bulb.
4. Insert new bulb so that the lugs on the bulb engage in the recesses in the bulb housing. Do not touch the glass of the new bulb as this drastically reduces bulb life.





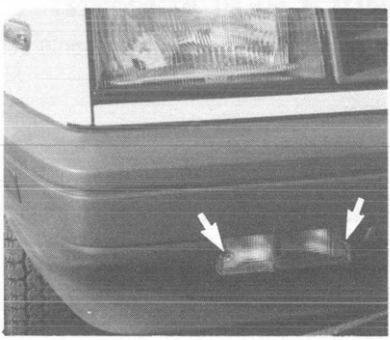
5. Proceed in reverse sequence to removal.
6. Re-aim headlights (headlight aim varies from bulb to bulb). Detailed procedures for headlight aiming are given in the relevant service manual for your car.

   However, because headlight aiming is a safety item it is recommended that you have it done by your GMH Dealer.



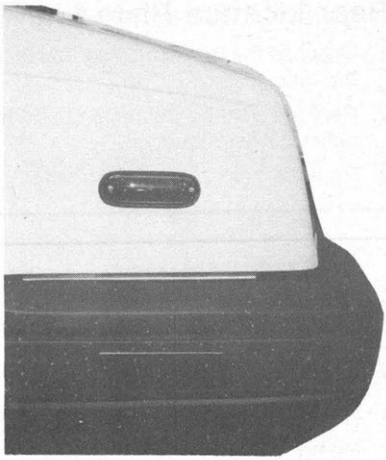
Front Parking/Turn Signal Light

1. Unscrew the 2 attaching screws and remove the lens.
2. Remove bulb by depressing and twisting in anticlockwise direction.
3. Replace bulb then reinstall lens.



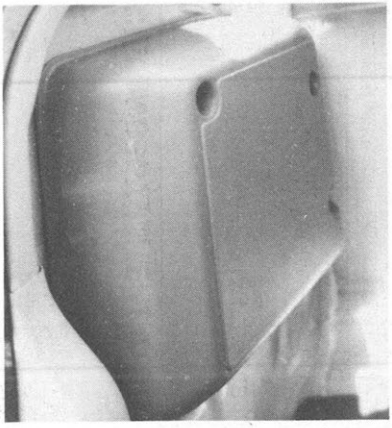
Front Side Flasher Light

1. Unscrew the 2 attaching screws and remove the lens.
2. Remove bulb by depressing and twisting in anticlockwise direction.
3. Replace bulb then reinstall lens.

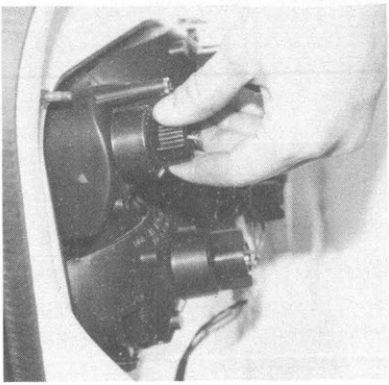


Rear Combination Light

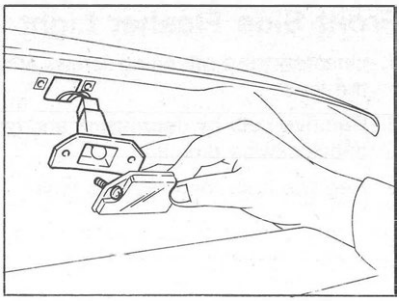
1. Open luggage compartment lid.
2. Unscrew 3 attaching screws then remove lamp cover.
3. Remove the appropriate bulb socket by twisting in anticlockwise direction.



4. Remove bulb by depressing and twisting in anticlockwise direction.
5. Replace bulb in socket then reinstall socket in housing.



Rear Licence Plate Light

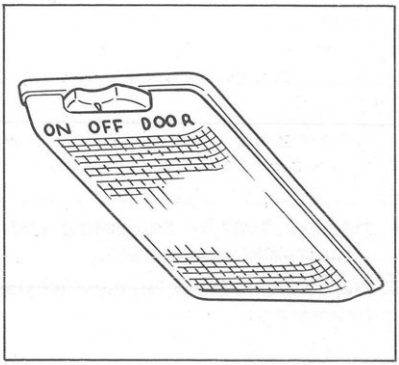


1. Unscrew the 2 attaching screws then remove the lens.
2. Remove bulb by depressing and twisting in anticlockwise direction.
3. Replace bulb and reinstall lens.

Rear Compartment Light (Where Fitted)

1. Remove lens cover by turning anticlockwise until free of lugs.
2. Remove bulb by depressing and twisting in anticlockwise direction.
3. Replace bulb.
4. Reinstall lens cover (between lugs) then rotate clockwise over lugs until audible click is heard.

Interior Light



1. Carefully prise off the light cover using a screwdriver.
2. Lightly press bulb in the direction of the spring clip and remove.
3. Install new bulb.
4. Reinstall light cover.

Instrument Panel and Console Lamps

Replacement of these bulbs is recommended to be done only by a GMH Dealer or another competent person as all wiring and associated attachments are prone to damage if not serviced correctly.

TYRES

CAUTION: To reduce the risk of loss of vehicle control and personal injury:

- **The tyres must be properly inflated at all times.**
- **Your vehicle must not be overloaded.**
- **Ensure that your tyres are always in good condition, particularly when the vehicle is used for consistent high speed operation.**
- **Observe all other cautions and Safety Information contained in the rest of this 'Tyres' section.**

Vehicle Loading

Do not load your vehicle beyond the maximum rear axle loading or the maximum loaded vehicle mass specified for your model in Section 2 of this handbook.

Inflation Pressure

The cold inflation pressures listed on the Tyre Placard inside the glove box should be used for all vehicle loading conditions.

Incorrect tyre inflation pressures can have adverse effects on tyre life and vehicle performance. Too low an air pressure causes increased tyre flexing with subsequent heat build up. This weakens the tyre and increases the chance of damage or failure. It can result in tyre overloading, abnormal tyre wear, adverse vehicle handling, and increased fuel consumption.

Too high an air pressure can result in abnormal wear and harsh ride.

Observe the following recommendations for checking and maintaining correct tyre inflation pressure:

1. Tyre pressures should be checked when the tyres are cold (when the vehicle has been standing for three hours or more or has been driven less than 2 kilometres).
2. Tyre inflation pressure may increase as much as 30 kPa (4 psi) or more when the tyres become hot from driving. DO NOT reduce pressures to compensate for this buildup. As a guide for checking warm/hot tyres under all conditions, allow pressure to read 10% above that recommended.
3. It is recommended that the pressures are checked at least weekly. For constant long distance or rough road travelling, daily checking is recommended.

   To maximise the protection of tyres on vehicles operating for prolonged periods over rough roads (particularly in outback conditions) it is recommended that the cold tyre inflation pressure recommended for high speed operation at maximum load condition as shown on the tyre placard is used.
4. Do not forget the spare tyre. It is advisable to maintain the spare at the maximum recommended tyre inflation pressure listed on the placard.
5. Always use a tyre pressure gauge when checking inflation pressures (we suggest you purchase a quality pocket-type gauge). Simply looking at the tyres to check inflation

pressures is not enough, especially with radial tyres. If the inflation pressure on a tyre is often low have the fault rectified as soon as possible.

6. Be sure to put the valve dust caps or extensions back on, if so equipped. This will help keep dirt and moisture from getting into the valve core which could cause a leak.

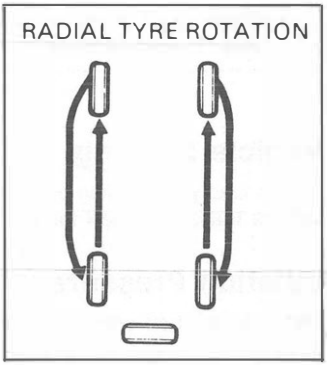
Tyre Inspection and Rotation

Front and rear tyres perform different jobs and can wear differently depending on the types of roads driven, your driving habits, wheel alignment and balance, tyre pressures etc.

For longer tyre life, you should have the tyres inspected, and rotated if required, at the intervals specified in the GMH Maintenance Plan.

Your GMH Dealer will be able to diagnose any unusual signs of wear and can also balance the wheels and tyres for you. If the tyres are rotated, it is recommended that the balance be checked at the same time.

Refer to illustration for the preferred way of rotating your tyres. If no abnormal or uneven wear is evident, tyres need not be rotated.



Alignment and Balance

Improper wheel alignment can cause the tyres to wear faster and to wear unevenly. It can also cause the car to 'pull' to the left or right.

Out-of-balance wheels and tyres can cause annoying vibration and uneven tyre wear such as cupping and flat spots.

If you have any reason to suspect that either of the above problems exists then have a wheel alignment and balance check done by your dealer.

Tyre Replacement and Repair

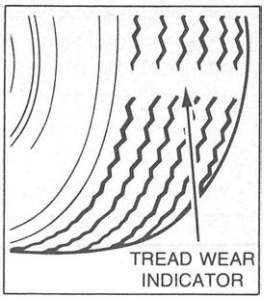
CAUTION: Do not mix different tyre construction types, such as radial and cross ply, on your vehicle because your car's handling could be affected and may result in loss of control.

When replacing tyres you should use the same size, load rating and construction type as the original tyres on your car. Refer to tyre placard inside glove box for tyre size and load rating. Using a different size or type of tyre may affect such things as ride, handling, speedometer/odometer calibration, vehicle ground clearance and tyre or tyre chain clearance to the body or chassis.

New tyres should be fitted in pairs to the front. If replacing only one tyre, it should be paired on the same axle with the least worn of the other three.

You should replace your tyres when:

1. The tyres are worn to the point where the tread wear indicators appear or the cord or fabric is showing. The original equipment tyres fitted to your vehicle incorporate built-in tread wear indicators which assist in determining when the tyres have worn to the point of needing replacement. (See illustration) In the interests of safety, replacement should not be delayed.
2. The tread or sidewall is cut, split, or cracked deep enough to expose the cord or fabric.
3. The tyre has a bump or bulge in it, indicating some kind of internal damage.
4. The tyre has a puncture, cut or other damage which can't be repaired because of the size or location of the damage.



If in doubt about the extent of damage to the tyre have it removed from the wheel and examined by a tyre specialist.

If a pressure loss occurs while driving, do not attempt to drive on the deflated tyre more than is necessary to stop safely. Driving even a short distance on a deflated tyre can damage it and the wheel beyond repair.

When an object which has punctured the tyre is removed, repairs are to be made in accordance with the tyre manufacturer's recommendations.

CAUTION: Tyres which have been repaired will not be able to be operated safely at high speeds therefore their use is not recommended under these driving conditions.

Wheel Replacement

When replacing wheels for any reason, ensure that the new wheels are equivalent in diameter, rim width, offset and mounting configuration to those originally installed in your car.

NOTICE: The fitting of non-standard wheels to your vehicle is NOT recommended.

A wheel of the wrong size or type may adversely affect such things as front suspension geometry, wheel bearing life, brake cooling, clearance to brake components, speedometer/odometer calibration, vehicle ground clearance and tyre or tyre chain clearance to the body.

Replacing your factory fitted wheels and tyres with non specified wheels and tyres may void your New Vehicle Warranty as well as your motor vehicle insurance policy.

Tyre Traction

CAUTION: A decrease in driving, cornering and braking traction occurs when water, snow, ice, gravel or other material is on the road surface. Driving practices and vehicle speed should be adjusted to the road conditions.

When driving on wet or slushy roads, it is possible for a wedge of water to build up between the tyre and road surface. This phenomenon, known as hydro-planing, may cause partial or complete loss of traction, which adversely affects vehicle control and stopping ability. To reduce the possibility of traction loss, the following precautions should be observed.

1. Reduce speed levels during rainstorms or when roads are slushy and if the road has standing water or puddles.
2. Replace tyres when tread wear indicators are visible.
3. Check that tyres are properly inflated for speed range and vehicle loading.

SECTION 7B GMH MAINTENANCE PLAN AND SERVICE COUPONS

This section contains all the 'Owner Inspections and Services' and 'Scheduled Maintenance Services' which are considered necessary for your vehicle. Safety, economy, emission control, performance and reliability cannot be assured unless regular maintenance is performed, preferably by factory-trained technicians.

OWNER'S RESPONSIBILITY — PLEASE READ CAREFULLY

It is the owner's responsibility to ensure that all routine and scheduled maintenance services described in this section are carried out at the recommended intervals.

The recommended intervals are only for vehicles subject to normal operating conditions. Vehicles subject to extreme operating conditions will need more frequent servicing on some items as described under "Vehicle Operating Conditions" later in this section.

NOTE: All maintenance services as listed in this handbook and replacement of service items, are the responsibility of the owner and as such are NOT considered, under the provisions of the New Vehicle Warranty to be rectification of defects in material and workmanship. Items such as wheel alignment, necessary adjustments to drive belts, transmission, clutch, parking brake etc. or any other items which may require servicing due to fair wear and tear, will be carried out at the owner's cost.

Failure to have proper maintenance services carried out by an Authorised GMH Dealer or Service Dealer may void your new vehicle warranty.

It is strongly recommended that you read the "New Vehicle Warranty" at the front of this handbook, so that you are conversant with your entitlements.

OWNER INSPECTIONS AND SERVICES

Listed below are vehicle inspections and services which should be performed by either you or a qualified technician at the frequencies indicated to help ensure proper safety and dependability of your vehicle. Take any problems promptly to your dealer or a qualified technician for service advice. Whenever repairs are necessary, have them completed at once. For your safety and that of others, any safety-related components that could have been damaged in an accident should be inspected. All needed repairs should be performed before operating your vehicle.

FREQUENCY	INSPECTION OR SERVICE	WHAT TO DO
BEFORE OPERATING YOUR CAR	Glass, mirrors, light and reflector condition	Look for broken, scratched, dirty or damaged glass, mirror, light or reflector that could reduce vision or visibility or cause injury. Replace, clean or repair promptly.
	Seat adjuster operation	When adjusting seat position, be sure seat adjusters latch by pushing seat forward and backward.
	Rearview mirror and sun visor operation.	Make sure friction joints hold mirrors and sun visors in place.
	Door and luggage compartment lid.	Make sure that all doors and luggage compartment lid close, latch and lock properly.
	Warning lights and instruments.	Check operation of all warning lights and instruments. See Section 1E for details.
WHILE OPERATING YOUR CAR	Automatic transmission shift indicator operation.	Make sure the indicator points to the gear chosen.
	Wiper and washer operation	Note the operation and condition of the wiper blades and the flow and aim of the washer spray.
	Ventilation, Heating and/or Air Conditioning System operation	Check that system operates as described in Section 1E. Pay particular attention to windscreen demisting operation.
	Horn Operation	Blow the horn occasionally to make sure it works.
	Brake system operation	Be alert to abnormal sounds, increased brake pedal travel or repeated pulling to one side when braking. Also, if the brake warning light comes on, something may be wrong. See "Brake Warning Light" in Section 1E.

FREQUENCY	INSPECTION OR SERVICE	WHAT TO DO
	Exhaust system operation	Be alert to any changes in the sound of the system or any smell of fumes. These are signs the system may be leaking or overheating. Have it inspected and repaired at once. Also see "Engine Exhaust Gas Caution (Carbon Monoxide)" in Section 2.
	Tyres, Wheels and Alignment	Be alert to a vibration of the steering wheel or seat at normal highway speeds. This may mean a wheel balance is needed. Also, a pull right or left on a straight, level road may show the need for a tyre pressure adjustment or wheel alignment.
	Steering system operation	Be alert to changes in steering action. An inspection is needed when the steering wheel is harder to turn or has too much free play or if unusual sounds are noted when turning or parking.
	Headlight aim	Take note of light pattern occasionally. If beams seem improperly aimed, or if oncoming cars frequently flash their headlights at you, have your headlight aim checked.
AT REFUELLING STOPS	Engine oil level†	Check level and add if necessary. See Section 7A for details.
	Engine coolant level†	Check level in cooling system. Add specified coolant as required. See Section 7A for details.
	Brake master cylinder reservoir level†	Check fluid level. Note: A low fluid level can indicate worn disc brake pads and these should be checked.
	Automatic transmission fluid level†	Maintain level within operating range on dipstick.
	Power steering system level†	Maintain level in accordance with instructions given in Section 7A.
	Battery electrolyte level	Check level and add if necessary. If your vehicle is fitted with a 'Maintenance Free' battery you do not have to check electrolyte level. See Section 7A.
	Windshield washer fluid level	Check level in container and add if necessary.

FREQUENCY	INSPECTION OR SERVICE	WHAT TO DO
	Hood latch operation	When operating hood note the operation of secondary latch. It should keep hood from opening all the way when primary latch is released. Make sure that hood closes firmly after services are performed.
	Tyre pressures	Maintain pressures as shown on the tyre placard located in the glove compartment. Don't forget the spare! Pressures should be checked when tyres are cold.
	†**NOTE:** A large loss in these systems may indicate a problem. Have them inspected and repaired at once. — Topping up is required when fluid levels fall to the "add" or minimum markings. — Use only the specified lubricants and fluids. See Section 6 'specifications'.	
AT LEAST MONTHLY	Tyre and wheel inspection	Check tyres for abnormal wear or damage. Also check for damaged wheels. Replace as necessary. Abnormal tyre wear (front) indicates a wheel alignment may be required.
	Light operation	Check operation of license plate light, headlights including high beams, parking lights, taillights, brake lights, turn signals, backup lights and hazard warning flashers.
	Fluid leak checks	Periodically, after the car has been parked for a while, inspect the surface beneath the car for water, oil, fuel or other fluids. Water dripping from the air conditioning system after use is normal. If you notice fuel leaks or fumes, the cause should be found and corrected at once.
	Seat belts condition and operation	Inspect belt system, including webbing condition, buckle operation, retractor operation and anchor security.

VEHICLE OPERATING CONDITIONS

The frequency with which your vehicle requires maintenance servicing depends upon what type of conditions it is operated under:

Normal Conditions

The maintenance instructions contained in this handbook are based on the assumption that your car will be used as designed in accordance with the operating instructions given in this handbook:

— To carry passengers and cargo within the vehicle and rear axle loading limits as specified in Section 2 of this handbook.
— On reasonable road surfaces within legal operating limits.
— On a daily basis, as a general rule, for at least several kilometres and,
— On correct grade fuel.

Extreme Conditions

If your vehicle operates under any of the extreme conditions below, it is recommended that some items be serviced more frequently than the intervals specified in the Maintenance Schedule.

EXTREME DRIVING CONDITIONS:

1: Dust, dirt or loose road material.
2: Muddy and wet areas.
3: Cold weather (below 5°C) and when most trips are less than 5 km.
4: Stop-start, excessive idling or low speed operation as experienced in inner city driving, e.g. taxi, door to door delivery vehicles.
5: Caravan or trailer towing.

Item	Extreme Operating Conditions	"Suggested" Service Intervals for Continuous Operation Under Extreme Conditions
Engine Oil	1-3-4	Change @ 5,000 km
Engine Oil Filter	1	Replace @ 5,000 km
Engine Air Cleaner Element	1	Replace @ 20,000 km
Automatic Transaxle Fluid	5	Change @ 20,000 km
All Suspension and Steering Components and Driveshafts	1-2	Inspect for damaged, loose or missing parts @ 5,000 km
Brake, Clutch and Fuel Lines, Exhaust System	1-2	Inspect for proper attachment, leaks, cracks, chafing, abrasion or other deterioration @ 5,000 km
Rear Drum Brakes	1-2-4	Remove drums, clean and inspect @ 10,000 km

The extra services listed above should only be used continuously if your vehicle operates continuously under the conditions specified.

If you operate under any of these conditions on a one off basis e.g. holiday trip, then the extra service should be for that period only.

If at any time it is considered that the above items or other items should be more frequently serviced due to the type of operation or before a long trip, discuss the situation with the Service Manager of your GMH Dealership.

Extreme Corrosive Conditions

Vehicles used under conditions exposing them to corrosive materials such as boat launching, driving along beaches, driving on tracks through fertilized paddocks, etc. — must be thoroughly flushed with fresh water immediately after such use to remove any deposited corrosive material.

SERVICE COUPON SYSTEM

The remainder of this section contains a separate coupon for each of the scheduled maintenance services recommended for vehicles operating under normal conditions. Printed on each coupon is a list of all the items requiring attention for that particular service. As each service is performed and the coupon removed, the following service coupon is readily visible to remind you when the next service is due.

What The Owner Should Do

When service, according to the time or distance interval, is due, the owner should present this Owner Handbook to a GMH Dealer as an authority to have the items listed attended to. Any additional services required should be noted on the front of the coupon and then signed by you as authorisation to carry out the service.

After the service is completed, the owner should see that the Validation Record is stamped and signed by the Dealer. This is important as it will not only assist in the determination of Warranty Claims, but enhance the value of the vehicle whenever resale is contemplated.

What The Servicing Dealer Has To Do

Your Service Dealer must attend to all items listed for the particular service and must see that the Validation Record is signed.

All operations listed on the Service Coupons should be carried out following the procedures set out in the appropriate current service literature.

Total Maintenance Programme

Service Coupons provided in this handbook range from the 1,500 km Service right through to the 125,000 km (75 month) service. The sequence of services is as follows:

NOTE: All the following services are to be performed at the specified Distance or Months, whichever occurs first.

- 1,500 km — 1 Month
- 5,000 km — 3 Months
- 15,000 km — 9 Months
- 25,000 km — 15 Months
- 35,000 km — 21 Months
- 45,000 km — 27 Months
- 55,000 km — 33 Months
- 65,000 km — 39 Months
- 75,000 km — 45 Months
- 85,000 km — 51 Months
- 95,000 km — 57 Months
- 105,000 km — 63 Months
- 115,000 km — 69 Months
- 125,000 km — 75 Months

The one month — 1,500 kilometres service will be performed without cost for labour by the Selling Dealer.

NOTE:
This service may be carried out by another GMH Dealer provided you have a letter of Introduction from the Selling Dealer. Your Dealer will supply the necessary letter of Introduction upon request.

The services shown in this schedule between 15,000 km and 125,000 km are to be performed after 125,000 km at the same intervals.

MAINTENANCE SCHEDULE

This schedule is based on Normal Operating Conditions.

If your vehicle operates in Extreme Conditions those items marked ★ will need servicing more frequently. Refer 'Vehicle Operating Conditions' in this section.

SERVICE INTERVAL (use odometer reading or months whichever occurs first)	x 1000 km	5	15	25	35	45	55	65	75	85	95	105	115	125
	or months	3	9	15	21	27	33	39	45	51	57	63	69	75
UNDERHOOD OPERATIONS														
Check all fluid levels: Engine oil, brake fluid, coolant, windscreen washer, battery, auto transaxle, power steering. Top up as required.		x	x	x	x	x	x	x	x	x	x	x	x	x
Check manual transaxle fluid level.		-	x	x	x	x	x	x	x	x	x	x	x	x
Check condition and tension of engine drive belts using gauge. Adjust if necessary.		-	x	x	x	x	x	x	x	x	x	x	x	x
Check condition, attachment and routing of all wiring, hoses and pipes in engine compartment. Includes brake, fuel, power steering, emission controls, air conditioning and electrical systems.		-	x	x	x	x	x	x	x	x	x	x	x	x
Pressure test cooling system and radiator cap. Check condition of all hoses and security of hose clamps. Clean outside of radiator and air conditioner condensor.		-	x	-	x	-	x	-	x	-	x	-	x	-
Drain, flush and refill cooling system with specified coolant.		-	-	-	x	-	-	-	x	-	-	-	x	-
Air conditioning — check refrigerant charge at sight glass.		-	x	-	x	-	x	-	x	-	x	-	x	-
Lubricate clutch control cable ends.		-	x	-	x	-	x	-	x	-	x	-	x	-
Retorque rocker shaft bracket nuts. Check and adjust engine valve clearances (Cold).		-	x	-	x	-	x	-	x	-	x	-	x	-
Replace in line fuel filter.		-	x	-	x	-	x	-	x	-	x	-	x	-
Replace engine air cleaner element ★.		-	-	-	x	-	-	-	x	-	-	-	x	-
Check automatic choke for free operation.		-	x	-	x	-	x	-	x	-	x	-	x	-
Check operation of thermostatic control on air cleaner.		-	-	-	x	-	-	-	x	-	-	-	x	-
Replace spark plugs.		-	x	-	x	-	x	-	x	-	x	-	x	-
Inspect condition of distributor cap and rotor. Clean inside of cap. Lubricate distributor cam and shaft. Check operation of advance mechanism.		-	x	-	x	-	x	-	x	-	x	-	x	-
Inspect condition and check resistance of all high tension leads.		-	x	-	x	-	x	-	x	-	x	-	x	-
Check ignition timing. Adjust if necessary.		-	x	-	x	-	x	-	x	-	x	-	x	-
Check engine idle speed and fast idle speed on choke cam. Adjust to specification.		x	x	-	x	-	x	-	x	-	x	-	x	-

SERVICE INTERVAL (Use odometer reading or months whichever occurs first)	x 1000 km	5	15	25	35	45	55	65	75	85	95	105	115	125
	or months	3	9	15	21	27	33	39	45	51	57	63	69	75
Lubricate throttle linkages.		-	x	-	x	-	x	-	x	-	x	-	x	-
Check engine ventilation system hoses and metering orifice for restriction.		-	-	-	x	-	-	-	x	-	-	-	x	-
UNDER VEHICLE OPERATIONS														
Change engine oil. ★		x	x	x	x	x	x	x	x	x	x	x	x	x
Change oil filter. ★		x	x	x	x	x	x	x	x	x	x	x	x	x
Manual transaxle. Change oil.		x	-	-	-	x	-	-	-	x	-	-	-	x
Automatic transaxle. Change fluid, service filter. ★		-	-	-	x	-	-	-	x	-	-	-	x	-
Lubricate auto transaxle shift linkages.		-	x	-	x	-	x	-	x	-	x	-	x	-
Inspect steering system for signs of leakage, damaged, loose or missing parts and signs of wear. ★		-	x	x	x	x	x	x	x	x	x	x	x	x
Inspect front and rear suspension for signs of leakage, damaged, loose or missing parts and signs of wear. ★		-	x	x	x	x	x	x	x	x	x	x	x	x
Inspect driveshaft CV joint boots for condition and attachment.		-	x	x	x	x	x	x	x	x	x	x	x	x
Inspect all brake and fuel hoses, pipes and connections for leakage, damage and security. ★		-	x	x	x	x	x	x	x	x	x	x	x	x
Inspect exhaust system for leakage, damage and security. Inspect underbody near exhaust system for holes etc. which could allow exhaust gas to enter passenger compartment. ★		-	x	x	x	x	x	x	x	x	x	x	x	x
Change brake fluid and bleed brakes.		-	-	-	x	-	-	-	x	-	-	-	x	-
Inspect front brake discs and pads for wear or damage.		-	x	x	x	x	x	x	x	x	x	x	x	x
Inspect rear brake drums and linings for wear or damage. ★		-	-	x	-	x	-	x	-	x	-	x	-	x
Repack rear wheel bearings.		-	-	-	x	-	-	-	x	-	-	-	x	-
Inspect tyres and wheels for wear or damage. Set tyres to recommended pressure. Check wheel nut torque. ★		x	x	x	x	x	x	x	x	x	x	x	x	x
INTERIOR VEHICLE OPERATIONS														
Check operation of all interior and exterior lights.		-	x	x	x	x	x	x	x	x	x	x	x	x
Check parking brake operation and travel. Adjust if necessary.		-	x	x	x	x	x	x	x	x	x	x	x	x
Check clutch pedal height. Adjust if necessary.		-	x	x	x	x	x	x	x	x	x	x	x	x
Lubricate clutch pedal bushing, clevis pin and clutch control cable end.		-	-	x	-	x	-	x	-	x	-	x	-	x
Seat belt inspection — examine condition of webbing, buckle operation, retractor mechanism operation, and anchor security.		-	x	-	x	-	x	-	x	-	x	-	x	-

SERVICE INTERVAL x 1000 km (Use odometer reading or months whichever occurs first)	5 3	15 9	25 15	35 21	45 27	55 33	65 39	75 45	85 51	95 57	105 63	115 69	125 75
EXTERIOR VEHICLE OPERATIONS													
Lubricate all locks, door hinges, engine hood catch and hinges, rear compartment lid catch and hinges.	-	x	-	x	-	x	-	x	-	x	-	x	-
ROAD TEST													
Check braking performance, steering operation, and engine performance.													
Vehicles with automatic transaxle — check shift pattern.													
Vehicles with manual transaxle — check clutch and gearshift operation.													
Check that body, wheels and powertrain are free from abnormal noise or vibration.													
Check that all instruments and warning lights function correctly.	x	x	x	x	x	x	x	x	x	x	x	x	x
Suggested Labour Time — Hours	0.7	2.1	1.2	3.2	1.3	2.1	1.2	3.2	1.3	2.1	1.2	3.2	1.3
Extra Labour Time for: Automatic Transmission	-	-	-	0.3	-	-	-	0.3	-	-	-	0.3	-

Additions to Basic Service

Additional time and material required for servicing equipment other than that fitted to a base model vehicle and repairing or replacing any part found faulty during the service check and inspection, will be added to the Suggest Labour Time and charges.

Where any deficiencies are noted, such items should be reported to the owner/operator so that the extra work required can be authorised.

1500 Kilometre or 1 Month Inspection and Adjustment

This coupon should not be removed until the vehicle is presented for service.

Owner's Name Mr. / Mrs. / Miss .....

Address .....

Town & State ..... Postcode .....

Reg. No. ..... Model Name .....

V.I.N. ..... Eng. No. .....

Selling Dealer's Stamp & Signature .....

Date of Purchase .....

This vehicle has been thoroughly checked in accordance with the schedule on the reverse side of this coupon.

Servicing Dealer's Stamp & Signature .....

Town ..... State .....

Owner's Signature .....

This Inspection & Adjustment will be carried out without charge to the owner except for any lubricants used.

The Designated Services are not to be exceeded without the Owner's prior agreement to additional servicing charges.

This vehicle has been thoroughly checked in accordance with the **1** month — **1,500** kilometre inspection and adjustment.

Dealer .....

Service Manager's Signature .....

Date ..... Odometer Reading .....

1500 Kilometre 1 Month Inspection and Adjustment

UNDER HOOD OPERATIONS

	Check all fluid levels: Engine oil, brake fluid, coolant, windscreen washer, battery, auto transaxle, power steering. Top up as required.
	Check manual transaxle fluid level.
	Check condition and tension of engine drive belts using gauge. Adjust if necessary.
	Check condition, attachment and routing of all wiring, hoses and pipes in engine compartment. Includes brake, fuel, power steering, emission controls, air conditioning and electrical systems.
	Pressure test cooling system and radiator cap. Check condition of all hoses and security of hose clamps.
	Air conditioning. Check refrigerant charge at sight glass.
	Tighten cylinder head bolts to specified torque (Cold).
	Retorque rocker shaft bracket nuts. Check and adjust engine valve clearances. (Cold).
	Check ignition timing. Adjust if necessary.
	Check engine idle speed and fast idle speed on choke cam. Adjust to specification.

UNDER VEHICLE OPERATIONS

	Inspect steering system for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect front and rear suspension for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect driveshaft CV joint boots for condition and attachment.
	Inspect all brake and fuel hoses, pipes and connections for leakage, damage and security.
	Inspect exhaust system for leakage, damage and security. Inspect underbody near exhaust system for holes etc. which could allow exhaust gas to enter passenger compartment.
	Inspect tyres and wheels for wear or damage. Set tyres to recommended pressure. Check wheel nut torque.

INTERIOR VEHICLE OPERATIONS

	Check operation of all interior and exterior lights.
	Check operation of all instruments and controls: includes ignition steering lock, indicator and warning lights, horn, wiper/washer, turn signals. Check operation of door, window and rear compartment mechanisms, hood lock and catch.
	Check that ventilation, heating, demisting and air conditioning systems operate properly. Check that blower operates on each speed setting.

ROAD TEST

	Check braking performance, steering operation and engine performance. Vehicles with auto transaxle — check shift pattern. Vehicles with manual transaxle — check clutch and gearshift operation. Check that body, wheels and powertrain are free from abnormal noise or vibration. Check that all instruments and warning lights function correctly.

5,000 km or 3 Months Service Coupon

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 0.7 hrs.

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested:

. . . . . .

. . . . . .

. . . . . .

. . . . . .

Signature . . . . . Date . . . . . .

UNDER HOOD OPERATIONS

	Check all fluid levels: Engine oil, brake fluid, coolant, windscreen washer, battery, auto transaxle, power steering. Top up as required
	Check engine idle speed and fast idle speed on choke cam. Adjust to specification.

UNDER VEHICLE OPERATIONS

	Change engine oil.
	Change oil filter.
	Manual transaxle. Change oil.
	Inspect tyres and wheels for wear or damage. Set tyres to recommended pressure. Check wheel nut torque.

ROAD TEST

	Check braking performance, steering operation and engine performance. Vehicles with auto transaxle — check shift pattern. Vehicles with manual transaxle — check clutch and gearshift operation. Check that body, wheels and powertrain are free from abnormal noise or vibration. Check that all instruments and warning lights function correctly.

Additional Services (Record on reverse side) . . . . . .

Odometer . . . . . .

Date . . . . . .

Servicing Dealer's Stamp & Signature . . . . . .

5,000 km or 3 Month SERVICE VALIDATION

Additional Services Performed:— 5,000 km/3 Months Service

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15,000 km or 9 Months Service Coupon

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 2.1 hrs.

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested:

. . . . . .

. . . . . .

. . . . . .

. . . . . .

Signature . . . . . Date . . . . . .

UNDER HOOD OPERATIONS

	Check all fluid levels: Engine oil, brake fluid, coolant, windscreen washer, battery, auto transaxle, power steering. Top up as required.
	Check manual transaxle fluid.
	Check condition and tension of engine drive belts using gauge. Adjust if necessary.
	Check condition, attachment and routing of all wiring, hoses and pipes in engine compartment. Includes brake, fuel, power steering, emission controls, air conditioning and electrical systems.
	Pressure test cooling system and radiator cap. Check condition of all hoses and security of hose clamps. Clean outside of radiator and air conditioner condensor.
	Air conditioning. Check refrigerant charge at sight glass.
	Lubricate clutch control cable ends.
	Retorque rocker shaft bracket nuts. Check and adjust engine valve clearances (Cold).
	Replace in-line fuel filter.
	Check automatic choke for free operation.
	Replace spark plugs.
	Inspect condition of distributor cap and rotor. Clean inside of cap. Lubricate distributor cam and shaft. Check operation of advance mechanism.
	Inspect condition and check resistance of all high tension leads.

Additional Services (Record on reverse side) . . . . . .

Odometer . . . . . .

Date . . . . . .

15,000 km or 9 Month SERVICE VALIDATION

Servicing Dealer's Stamp & Signature . . . . . .

	Check ignition timing. Adjust if necessary.
	Check engine idle speed and fast idle speed on choke cam. Adjust to specification.
	Lubricate throttle linkages.

UNDER VEHICLE OPERATIONS

	Change engine oil.
	Change oil filter.
	Lubricate auto transaxle shift linkages.
	Inspect steering system for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect front and rear suspension for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect driveshaft CV joint boots for condition and attachment.
	Inspect all brake and fuel hoses, pipes and connections for leakage, damage and security.
	Inspect exhaust system for leakage, damage and security. Inspect underbody near exhaust system for holes etc. which could allow exhaust gas to enter passenger compartment.
	Inspect front brake discs and pads for wear or damage.
	Inspect tyres and wheels for wear or damage. Set tyres to recommended pressure. Check wheel nut torque.

INTERIOR VEHICLE OPERATIONS

	Check operation of all interior and exterior lights.
	Check parking brake operation and travel. Adjust if necessary.
	Check clutch pedal height. Adjust if necessary.
	Seat belt inspection — examine condition of webbing, buckle operation, retractor mechanism operation and anchor security.

EXTERIOR VEHICLE OPERATIONS

	Lubricate all locks, door hinges, engine hood catch and hinges, rear compartment lid catch and hinges.

ROAD TEST

	Check braking performance, steering operation and engine performance. Vehicles with auto transaxle — check shift pattern. Vehicles with manual transaxle — check clutch and gearshift operation. Check that body, wheels and powertrain are free from abnormal noise or vibration. Check that all instruments and warning lights function correctly.

25,000 km or 15 Months Service Coupon

GMH QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 1.2 hrs.

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested:

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Signature . . . . . Date . . . . . .

Additional Services (Record on reverse side) . . . . . .

Odometer . . . . . .

Date . . . . . .

Servicing Dealer's Stamp & Signature . . . . . .

25,000 km or 15 Month SERVICE VALIDATION

UNDER HOOD OPERATIONS

	Check all fluid levels: Engine oil, brake fluid, coolant, windscreen washer, battery, auto transaxle, power steering. Top up as required.
	Check manual transaxle fluid level.
	Check condition and tension of engine drive belts using gauge. Adjust if necessary.
	Check condition, attachment and routing of all wiring, hoses and pipes in engine compartment. Includes brake, fuel, power steering, emission controls, air conditioning and electrical systems.

UNDER VEHICLE OPERATIONS

	Change engine oil.
	Change oil filter.
	Inspect steering system for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect front and rear suspension for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect driveshaft CV joint boots for condition and attachment.
	Inspect all brake and fuel hoses, pipes and connections for leakage, damage and security.

	Inspect exhaust system for leakage, damage and security. Inspect underbody near exhaust system for holes etc. which could allow exhaust gas to enter passenger compartment.
	Inspect front brake discs and pads for wear or damage.
	Inspect rear brake drums and linings for wear or damage.
	Inspect tyres and wheels for wear or damage. Set tyres to recommended pressure. Check wheel nut torque.

INTERIOR VEHICLE OPERATIONS

	Check operation of all interior and exterior lights.
	Check parking brake operation and travel. Adjust if necessary.
	Check clutch pedal height. Adjust if necessary.
	Lubricate clutch pedal bushing, clevis pin and clutch control cable end.

ROAD TEST

	Check braking performance, steering operation and engine performance. Vehicles with auto transaxle — check shift pattern. Vehicles with manual transaxle — check clutch and gearshift operation. Check that body, wheels and powertrain are free from abnormal noise or vibration. Check that all instruments and warning lights function correctly.

35,000 km or 21 Months Service Coupon

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 3.2 hrs.

[Add 0.3 hr for Automatic Transmission.]

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested:

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Signature . . . . . Date . . . . . .

UNDER HOOD OPERATIONS

	Check all fluid levels: Engine oil, brake fluid, coolant, windscreen washer, battery, auto transaxle, power steering. Top up as required.
	Check manual transaxle fluid level.
	Check condition and tension of engine drive belts using gauge. Adjust if necessary.
	Check condition, attachment and routing of all wiring, hoses and pipes in engine compartment. Includes brake, fuel, power steering, emission controls, air conditioning and electrical systems.
	Pressure test cooling system and radiator cap. Check condition of all hoses and security of hose clamps. Clean outside of radiator and air conditioner condensor.
	Drain, flush and refill cooling system with specified coolant.
	Air conditioning — check refrigerant charge at sight glass.
	Lubricate clutch control cable ends.
	Retorque rocker shaft bracket nuts. Check and adjust engine valve clearances (Cold).
	Replace in-line fuel filter.
	Replace engine air cleaner element.
	Check automatic choke for free operation.
	Check operation of thermostatic control on air cleaner.
	Replace spark plugs.

Additional Services
(Record on reverse side)

Odometer . . . . . .

Date . . . . . .

Servicing
Dealer's
Stamp &
Signature . . . . . .

35,000 km or 21 Month SERVICE VALIDATION

	Inspect condition of distributor cap and rotor. Clean inside of cap. Lubricate distributor cam and shaft. Check operation of advance mechanism.
	Inspect condition and check resistance of all high tension leads.
	Check ignition timing. Adjust if necessary.
	Check engine idle speed and fast idle speed on choke cam. Adjust to specification.
	Lubricate throttle linkages.
	Check engine ventilation system hoses and metering orifice for restriction.

UNDER VEHICLE OPERATIONS

	Change engine oil.
	Change oil filter.
	Automatic transaxle. Change fluid, service filter.
	Lubricate auto transaxle shift linkages.
	Inspect steering system for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect front and rear suspension for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect driveshaft CV joint boots for condition and attachment.
	Inspect all brake and fuel hoses, pipes and connections for leakage, damage and security.
	Inspect exhaust system for leakage, damage and security. Inspect underbody near exhaust system for holes etc. which could allow exhaust gas to enter passenger compartment.
	Change brake fluid and bleed brakes.
	Inspect front brake discs and pads for wear or damage.
	Repack rear wheel bearings.
	Inspect tyres and wheels for wear or damage. Set tyres to recommended pressure. Check wheel nut torque.

INTERIOR VEHICLE OPERATIONS

	Check operation of all interior and exterior lights
	Check parking brake operation and travel. Adjust if necessary.
	Check clutch pedal height. Adjust if necessary.
	Seat belt inspection — examine condition of webbing, buckle operation, retractor mechanism operation and anchor security.

EXTERIOR VEHICLE OPERATIONS

	Lubricate all locks, door hinges, engine hood catch and hinges, rear compartment lid catch and hinges.

ROAD TEST

	Check braking performance, steering operation and engine performance. Vehicles with auto transaxle — check shift pattern. Vehicles with manual transaxle — check clutch and gearshift operation. Check that body wheels and powertrain are free from abnormal noise or vibration. Check that all instruments and warning lights function correctly.

45,000 km or 27 Months Service Coupon

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 1.3 hrs.

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested:

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Signature . . . . . Date . . . . . .

Additional Services
(Record on reverse side)

Odometer . . . . . .

Date . . . . . .

Servicing Dealer's Stamp & Signature . . . . . .

45,000 km or 27 Month SERVICE VALIDATION

UNDER HOOD OPERATIONS

	Check all fluid levels: Engine oil, brake fluid, coolant, windscreen washer, battery, auto transaxle, power steering. Top up as required.
	Check manual transaxle fluid level.
	Check condition and tension of engine drive belts using gauge. Adjust if necessary.
	Check condition, attachment and routing of all wiring, hoses and pipes in engine compartment. Includes brake, fuel, power steering, emission controls, air conditioning and electrical systems.

UNDER VEHICLE OPERATIONS

	Change engine oil.
	Change oil filter.
	Manual transaxle. Change oil.
	Inspect steering system for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect front and rear suspension for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect driveshaft CV joint boots for condition and attachment.

	Inspect all brake and fuel hoses, pipes and connections for leakage, damage and security.
	Inspect exhaust system for leakage, damage and security. Inspect underbody near exhaust system for holes etc. which could allow exhaust gas to enter passenger compartment.
	Inspect front brake discs and pads for wear or damage.
	Inspect rear brake drums and linings for wear or damage.
	Inspect tyres and wheels for wear or damage. Set tyres to recommended pressure. Check wheel nut torque.

INTERIOR VEHICLE OPERATIONS

	Check operation of all interior and exterior lights.
	Check parking brake operation and travel. Adjust if necessary.
	Check clutch pedal height. Adjust if necessary.
	Lubricate clutch pedal bushing, clevis pin and clutch control cable end.

ROAD TEST

	Check braking performance, steering operation and engine performance. Vehicles with auto transaxle — check shift pattern. Vehicles with manual transaxle — check clutch and gearshift operation. Check that body, wheels and powertrain are free from abnormal noise or vibration. Check that all instruments and warning lights function correctly.

55,000 km or 33 Months Service Coupon

GMH QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 2.1 hrs.

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested:

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Signature . . . . . Date . . . . . .

UNDER HOOD OPERATIONS

	Check all fluid levels: Engine oil, brake fluid, coolant, windscreen washer, battery, auto transaxle, power steering. Top up as required.
	Check manual transaxle fluid.
	Check condition and tension of engine drive belts using gauge. Adjust if necessary.
	Check condition, attachment and routing of all wiring, hoses and pipes in engine compartment. Includes brake, fuel, power steering, emission controls, air conditioning and electrical systems.
	Pressure test cooling system and radiator cap. Check condition of all hoses and security of hose clamps. Clean outside of radiator and air conditioner condensor.
	Air conditioning. Check refrigerant charge at sight glass.
	Lubricate clutch control cable ends.
	Retorque rocker shaft bracket nuts. Check and adjust engine valve clearances (Cold).
	Replace in-line fuel filter.
	Check automatic choke for free operation.
	Replace spark plugs.
	Inspect condition of distributor cap and rotor. Clean inside of cap. Lubricate distributor cam and shaft. Check operation of advance mechanism.
	Inspect condition and check resistance of all high tension leads.

Additional Services (Record on reverse side) . . . . . Odometer . . . . . Date . . . . . Servicing Dealer's Stamp & Signature . . . . .

55,000 km or 33 Month SERVICE VALIDATION

	Check ignition timing. Adjust if necessary.
	Check engine idle speed and fast idle speed on choke cam. Adjust to specification.
	Lubricate throttle linkages.

UNDER VEHICLE OPERATIONS

	Change engine oil.
	Change oil filter.
	Lubricate auto transaxle shift linkages.
	Inspect steering system for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect front and rear suspension for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect driveshaft CV joint boots for condition and attachment.
	Inspect all brake and fuel hoses, pipes and connections for leakage, damage and security.
	Inspect exhaust system for leakage, damage and security. Inspect underbody near exhaust system for holes etc. which could allow exhaust gas to enter passenger compartment.
	Inspect front brake discs and pads for wear or damage.
	Inspect tyres and wheels for wear or damage. Set tyres to recommended pressure. Check wheel nut torque.

INTERIOR VEHICLE OPERATIONS

	Check operation of all interior and exterior lights.
	Check parking brake operation and travel. Adjust if necessary.
	Check clutch pedal height. Adjust if necessary.
	Seat belt inspection — examine condition of webbing, buckle operation, retractor mechanism operation and anchor security.

EXTERIOR VEHICLE OPERATIONS

	Lubricate all locks, door hinges, engine hood catch and hinges, rear compartment lid catch and hinges.

ROAD TEST

	Check braking performance, steering operation and engine performance. Vehicles with auto transaxle — check shift pattern. Vehicles with manual transaxle — check clutch and gearshift operation. Check that body, wheels and powertrain are free from abnormal noise or vibration. Check that all instruments and warning lights function correctly.

65,000 km or 39 Months Service Coupon

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 1.2 hrs.

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested:

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Signature . . . . . Date . . . . . .

UNDER HOOD OPERATIONS

	Check all fluid levels: Engine oil, brake fluid, coolant, windscreen washer, battery, auto transaxle, power steering. Top up as required.
	Check manual transaxle fluid level.
	Check condition and tension of engine drive belts using gauge. Adjust if necessary.
	Check condition, attachment and routing of all wiring, hoses and pipes in engine compartment. Includes brake, fuel, power steering, emission controls, air conditioning and electrical systems.

UNDER VEHICLE OPERATIONS

	Change engine oil.
	Change oil filter.
	Inspect steering system for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect front and rear suspension for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect driveshaft CV joint boots for condition and attachment.
	Inspect all brake and fuel hoses, pipes and connections for leakage, damage and security.

Additional Services
(Record on reverse side) . . . . . .

Odometer . . . . . .

Date . . . . . .

Servicing
Dealer's
Stamp &
Signature . . . . . .

65,000 km or 39 Month SERVICE VALIDATION

	Inspect exhaust system for leakage, damage and security. Inspect underbody near exhaust system for holes etc. which could allow exhaust gas to enter passenger compartment.
	Inspect front brake discs and pads for wear or damage.
	Inspect rear brake drums and linings for wear or damage.
	Inspect tyres and wheels for wear or damage. Set tyres to recommended pressure. Check wheel nut torque.

INTERIOR VEHICLE OPERATIONS

	Check operation of all interior and exterior lights.
	Check parking brake operation and travel. Adjust if necessary.
	Check clutch pedal height. Adjust if necessary.
	Lubricate clutch pedal bushing, clevis pin and clutch control cable end.

ROAD TEST

	Check braking performance, steering operation and engine performance. Vehicles with auto transaxle — check shift pattern. Vehicles with manual transaxle — check clutch and gearshift operation. Check that body, wheels and powertrain are free from abnormal noise or vibration. Check that all instruments and warning lights function correctly.

75,000 km or 45 Months Service Coupon

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 3.2 hrs.

[Add 0.3 hr for Automatic Transmission.]

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested:

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Signature . . . . . Date . . . . . .

UNDER HOOD OPERATIONS

	Check all fluid levels: Engine oil, brake fluid, coolant, windscreen washer, battery, auto transaxle, power steering. Top up as required.
	Check manual transaxle fluid level.
	Check condition and tension of engine drive belts using gauge. Adjust if necessary.
	Check condition, attachment and routing of all wiring, hoses and pipes in engine compartment. Includes brake, fuel, power steering, emission controls, air conditioning and electrical systems.
	Pressure test cooling system and radiator cap. Check condition of all hoses and security of hose clamps. Clean outside of radiator and air conditioner condensor.
	Drain, flush and refill cooling system with specified coolant.
	Air conditioning — check refrigerant charge at sight glass.
	Lubricate clutch control cable ends.
	Retorque rocker shaft bracket nuts. Check and adjust engine valve clearances (Cold).
	Replace in-line fuel filter.
	Replace engine air cleaner element.
	Check automatic choke for free operation.
	Check operation of thermostatic control on air cleaner.
	Replace spark plugs.

Additional Services (Record on reverse side) . . . . . .

Odometer . . . . . .

Date . . . . . .

75,000 km or 45 Month SERVICE VALIDATION

Servicing Dealer's Stamp & Signature . . . . . .

	Inspect condition of distributor cap and rotor. Clean inside of cap. Lubricate distributor cam and shaft. Check operation of advance mechanism.
	Inspect condition and check resistance of all high tension leads.
	Check ignition timing. Adjust if necessary.
	Check engine idle speed and fast idle speed on choke cam. Adjust to specification.
	Lubricate throttle linkages.
	Check engine ventilation system hoses and metering orifice for restriction.

UNDER VEHICLE OPERATIONS

	Change engine oil.
	Change oil filter.
	Automatic transaxle. Change fluid, service filter.
	Lubricate auto transaxle shift linkages.
	Inspect steering system for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect front and rear suspension for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect driveshaft CV joint boots for condition and attachment.
	Inspect all brake and fuel hoses, pipes and connections for leakage, damage and security.
	Inspect exhaust system for leakage, damage and security. Inspect underbody near exhaust system for holes etc. which could allow exhaust gas to enter passenger compartment.
	Change brake fluid and bleed brakes.
	Inspect front brake discs and pads for wear or damage.
	Repack rear wheel bearings.
	Inspect tyres and wheels for wear or damage. Set tyres to recommended pressure. Check wheel nut torque.

INTERIOR VEHICLE OPERATIONS

	Check operation of all interior and exterior lights
	Check parking brake operation and travel. Adjust if necessary.
	Check clutch pedal height. Adjust if necessary.
	Seat belt inspection — examine condition of webbing, buckle operation, retractor mechanism operation and anchor security.

EXTERIOR VEHICLE OPERATIONS

	Lubricate all locks, door hinges, engine hood catch and hinges, rear compartment lid catch and hinges.

ROAD TEST

	Check braking performance, steering operation and engine performance. Vehicles with auto transaxle — check shift pattern. Vehicles with manual transaxle — check clutch and gearshift operation. Check that body wheels and powertrain are free from abnormal noise or vibration. Check that all instruments and warning lights function correctly.

85,000 km or 51 Months Service Coupon

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 1.3 hrs.

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested:

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Signature . . . . . Date . . . . . .

Additional Services (Record on reverse side) . . . . . .

Odometer . . . . . .

Date . . . . . .

85,000 km or 51 Month SERVICE VALIDATION

Servicing Dealer's Stamp & Signature . . . . . .

UNDER HOOD OPERATIONS

	Check all fluid levels: Engine oil, brake fluid, coolant, windscreen washer, battery, auto transaxle, power steering. Top up as required.
	Check manual transaxle fluid level.
	Check condition and tension of engine drive belts using gauge. Adjust if necessary.
	Check condition, attachment and routing of all wiring, hoses and pipes in engine compartment. Includes brake, fuel, power steering, emission controls, air conditioning and electrical systems.

UNDER VEHICLE OPERATIONS

	Change engine oil.
	Change oil filter.
	Manual transaxle. Change oil.
	Inspect steering system for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect front and rear suspension for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect driveshaft CV joint boots for condition and attachment.

	Inspect all brake and fuel hoses, pipes and connections for leakage, damage and security.
	Inspect exhaust system for leakage, damage and security. Inspect underbody near exhaust system for holes etc. which could allow exhaust gas to enter passenger compartment.
	Inspect front brake discs and pads for wear or damage.
	Inspect rear brake drums and linings for wear or damage.
	Inspect tyres and wheels for wear or damage. Set tyres to recommended pressure. Check wheel nut torque.

INTERIOR VEHICLE OPERATIONS

	Check operation of all interior and exterior lights.
	Check parking brake operation and travel. Adjust if necessary.
	Check clutch pedal height. Adjust if necessary.
	Lubricate clutch pedal bushing, clevis pin and clutch control cable end.

ROAD TEST

	Check braking performance, steering operation and engine performance. Vehicles with auto transaxle — check shift pattern. Vehicles with manual transaxle — check clutch and gearshift operation. Check that body, wheels and powertrain are free from abnormal noise or vibration. Check that all instruments and warning lights function correctly.

95,000 km or 57 Months Service Coupon

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 2.1 hrs.

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested:

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Signature . . . . . Date . . . . . .

UNDER HOOD OPERATIONS

	Check all fluid levels: Engine oil, brake fluid, coolant, windscreen washer, battery, auto transaxle, power steering. Top up as required.
	Check manual transaxle fluid.
	Check condition and tension of engine drive belts using gauge. Adjust if necessary.
	Check condition, attachment and routing of all wiring, hoses and pipes in engine compartment. Includes brake, fuel, power steering, emission controls, air conditioning and electrical systems.
	Pressure test cooling system and radiator cap. Check condition of all hoses and security of hose clamps. Clean outside of radiator and air conditioner condensor.
	Air conditioning. Check refrigerant charge at sight glass.
	Lubricate clutch control cable ends.
	Retorque rocker shaft bracket nuts. Check and adjust engine valve clearances (Cold).
	Replace in-line fuel filter.
	Check automatic choke for free operation.
	Replace spark plugs.
	Inspect condition of distributor cap and rotor. Clean inside of cap. Lubricate distributor cam and shaft. Check operation of advance mechanism.
	Inspect condition and check resistance of all high tension leads.

Additional Services (Record on reverse side) . . . . . .

Odometer . . . . . .

Date . . . . . .

Servicing Dealer's Stamp & Signature . . . . . .

95,000 km or 57 Month SERVICE VALIDATION

	Check ignition timing. Adjust if necessary.
	Check engine idle speed and fast idle speed on choke cam. Adjust to specification.
	Lubricate throttle linkages.

UNDER VEHICLE OPERATIONS

	Change engine oil.
	Change oil filter.
	Lubricate auto transaxle shift linkages.
	Inspect steering system for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect front and rear suspension for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect driveshaft CV joint boots for condition and attachment.
	Inspect all brake and fuel hoses, pipes and connections for leakage, damage and security.
	Inspect exhaust system for leakage, damage and security. Inspect underbody near exhaust system for holes etc. which could allow exhaust gas to enter passenger compartment.
	Inspect front brake discs and pads for wear or damage.
	Inspect tyres and wheels for wear or damage. Set tyres to recommended pressure. Check wheel nut torque.

INTERIOR VEHICLE OPERATIONS

	Check operation of all interior and exterior lights.
	Check parking brake operation and travel. Adjust if necessary.
	Check clutch pedal height. Adjust if necessary.
	Seat belt inspection — examine condition of webbing, buckle operation, retractor mechanism operation and anchor security.

EXTERIOR VEHICLE OPERATIONS

	Lubricate all locks, door hinges, engine hood catch and hinges, rear compartment lid catch and hinges.

ROAD TEST

	Check braking performance, steering operation and engine performance. Vehicles with auto transaxle — check shift pattern. Vehicles with manual transaxle — check clutch and gearshift operation. Check that body, wheels and powertrain are free from abnormal noise or vibration. Check that all instruments and warning lights function correctly.

105,000 km or 63 Months Service Coupon

GMH QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 1.2 hrs.

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested:

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Signature . . . . . Date . . . . . .

Additional Services (Record on reverse side) . . . . . .

Odometer . . . . . .

Date . . . . . .

Servicing Dealer's Stamp & Signature . . . . . .

105,000 km or 63 Month SERVICE VALIDATION

UNDER HOOD OPERATIONS

	Check all fluid levels: Engine oil, brake fluid, coolant, windscreen washer, battery, auto transaxle, power steering. Top up as required.
	Check manual transaxle fluid level.
	Check condition and tension of engine drive belts using gauge. Adjust if necessary.
	Check condition, attachment and routing of all wiring, hoses and pipes in engine compartment. Includes brake, fuel, power steering, emission controls, air conditioning and electrical systems.

UNDER VEHICLE OPERATIONS

	Change engine oil.
	Change oil filter.
	Inspect steering system for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect front and rear suspension for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect driveshaft CV joint boots for condition and attachment.
	Inspect all brake and fuel hoses, pipes and connections for leakage, damage and security.

	Inspect exhaust system for leakage, damage and security. Inspect underbody near exhaust system for holes etc. which could allow exhaust gas to enter passenger compartment.
	Inspect front brake discs and pads for wear or damage.
	Inspect rear brake drums and linings for wear or damage.
	Inspect tyres and wheels for wear or damage. Set tyres to recommended pressure. Check wheel nut torque.

INTERIOR VEHICLE OPERATIONS

	Check operation of all interior and exterior lights.
	Check parking brake operation and travel. Adjust if necessary.
	Check clutch pedal height. Adjust if necessary.
	Lubricate clutch pedal bushing, clevis pin and clutch control cable end.

ROAD TEST

	Check braking performance, steering operation and engine performance. Vehicles with auto transaxle — check shift pattern. Vehicles with manual transaxle — check clutch and gearshift operation. Check that body, wheels and powertrain are free from abnormal noise or vibration. Check that all instruments and warning lights function correctly.

115,000 km or 69 Months Service Coupon

GMH QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 3.2 hrs.

[Add 0.3 hr for Automatic Transmission.]

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested:

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Signature . . . . . Date . . . . . .

UNDER HOOD OPERATIONS

	Check all fluid levels: Engine oil, brake fluid, coolant, windscreen washer, battery, auto transaxle, power steering. Top up as required.
	Check manual transaxle fluid level.
	Check condition and tension of engine drive belts using gauge. Adjust if necessary.
	Check condition, attachment and routing of all wiring, hoses and pipes in engine compartment. Includes brake, fuel, power steering, emission controls, air conditioning and electrical systems.
	Pressure test cooling system and radiator cap. Check condition of all hoses and security of hose clamps. Clean outside of radiator and air conditioner condensor.
	Drain, flush and refill cooling system with specified coolant.
	Air conditioning — check refrigerant charge at sight glass.
	Lubricate clutch control cable ends.
	Retorque rocker shaft bracket nuts. Check and adjust engine valve clearances (Cold).
	Replace in-line fuel filter.
	Replace engine air cleaner element.
	Check automatic choke for free operation.
	Check operation of thermostatic control on air cleaner.
	Replace spark plugs.

Additional Services (Record on reverse side) . . . . . .

Odometer . . . . . .

Date . . . . . .

Servicing Dealer's Stamp & Signature . . . . . .

115,000 km or 69 Month SERVICE VALIDATION

	Inspect condition of distributor cap and rotor. Clean inside of cap. Lubricate distributor cam and shaft. Check operation of advance mechanism.
	Inspect condition and check resistance of all high tension leads.
	Check ignition timing. Adjust if necessary.
	Check engine idle speed and fast idle speed on choke cam. Adjust to specification.
	Lubricate throttle linkages.
	Check engine ventilation system hoses and metering orifice for restriction.

UNDER VEHICLE OPERATIONS

	Change engine oil.
	Change oil filter.
	Automatic transaxle. Change fluid, service filter.
	Lubricate auto transaxle shift linkages.
	Inspect steering system for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect front and rear suspension for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect driveshaft CV joint boots for condition and attachment.
	Inspect all brake and fuel hoses, pipes and connections for leakage, damage and security.
	Inspect exhaust system for leakage, damage and security. Inspect underbody near exhaust system for holes etc. which could allow exhaust gas to enter passenger compartment.
	Change brake fluid and bleed brakes.
	Inspect front brake discs and pads for wear or damage.
	Repack rear wheel bearings.
	Inspect tyres and wheels for wear or damage. Set tyres to recommended pressure. Check wheel nut torque.

INTERIOR VEHICLE OPERATIONS

	Check operation of all interior and exterior lights
	Check parking brake operation and travel. Adjust if necessary.
	Check clutch pedal height. Adjust if necessary.
	Seat belt inspection — examine condition of webbing, buckle operation, retractor mechanism operation and anchor security.

EXTERIOR VEHICLE OPERATIONS

	Lubricate all locks, door hinges, engine hood catch and hinges, rear compartment lid catch and hinges.

ROAD TEST

	Check braking performance, steering operation and engine performance. Vehicles with auto transaxle — check shift pattern. Vehicles with manual transaxle — check clutch and gearshift operation. Check that body wheels and powertrain are free from abnormal noise or vibration. Check that all instruments and warning lights function correctly.

125,000 km or 75 Months Service Coupon

GMH QUALITY SERVICE & PARTS

I authorise performance of the services specified on this coupon. I understand that I will be charged for this work which will take approx. 1.3 hrs.

There will also be a charge for all lubricants and filters, parts used as a result of checks and additional services performed as requested.

Additional Services Requested:

. . . . . .

. . . . . .

. . . . . .

. . . . . .

Signature . . . . . Date . . . . . .

Additional Services (Record on reverse side) . . . . . .

Odometer . . . . . .

Date . . . . . .

Servicing Dealer's Stamp & Signature . . . . . .

125,000 km or 75 Month SERVICE VALIDATION

UNDER HOOD OPERATIONS

	Check all fluid levels: Engine oil, brake fluid, coolant, windscreen washer, battery, auto transaxle, power steering. Top up as required.
	Check manual transaxle fluid level.
	Check condition and tension of engine drive belts using gauge. Adjust if necessary.
	Check condition, attachment and routing of all wiring, hoses and pipes in engine compartment. Includes brake, fuel, power steering, emission controls, air conditioning and electrical systems.

UNDER VEHICLE OPERATIONS

	Change engine oil.
	Change oil filter.
	Manual transaxle. Change oil.
	Inspect steering system for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect front and rear suspension for signs of leakage, damaged, loose or missing parts and signs of wear.
	Inspect driveshaft CV joint boots for condition and attachment.

	Inspect all brake and fuel hoses, pipes and connections for leakage, damage and security.
	Inspect exhaust system for leakage, damage and security. Inspect underbody near exhaust system for holes etc. which could allow exhaust gas to enter passenger compartment.
	Inspect front brake discs and pads for wear or damage.
	Inspect rear brake drums and linings for wear or damage.
	Inspect tyres and wheels for wear or damage. Set tyres to recommended pressure. Check wheel nut torque.

INTERIOR VEHICLE OPERATIONS

	Check operation of all interior and exterior lights.
	Check parking brake operation and travel. Adjust if necessary.
	Check clutch pedal height. Adjust if necessary.
	Lubricate clutch pedal bushing, clevis pin and clutch control cable end.

ROAD TEST

	Check braking performance, steering operation and engine performance. Vehicles with auto transaxle — check shift pattern. Vehicles with manual transaxle — check clutch and gearshift operation. Check that body, wheels and powertrain are free from abnormal noise or vibration. Check that all instruments and warning lights function correctly.

To ensure continued interest in your vehicle, GMH requests that owners who change their name or address, or subsequent owners who purchase the vehicle, fill in and mail one of the attached notices. Please forward to the address shown on the reverse side of the notice.

NOTICE OF NAME/ADDRESS OWNERSHIP CHANGE

NAME/ADDRESS CHANGE ☐ SUBSEQUENT OWNER ☐

PLEASE TICK ☑ APPROPRIATE SQUARE

Owner's Name Mr. Mrs. Miss .....

Address .....

Town .....

State ..... Postcode .....

Registration No. .....

Vehicle Identification Number (V.I.N.) .....

(Refer Specifications Section of this Manual for Location of V.I.N.)

NOTICE OF NAME/ADDRESS OWNERSHIP CHANGE

NAME/ADDRESS CHANGE ☐ SUBSEQUENT OWNER ☐

PLEASE TICK ☑ APPROPRIATE SQUARE

Owner's Name Mr. Mrs. Miss .....

Address .....

Town .....

State ..... Postcode .....

Registration No. .....

Vehicle Identification Number (V.I.N.) .....

(Refer Specifications Section of this Manual for Location of V.I.N.)

Place in an envelope and mail to:

The Manager — Warranty Administration,
Service Department,
General Motors–Holden's Sales Pty. Limited,
Box 548D, G.P.O.,
Melbourne,
Victoria. 3001.

Place in an envelope and mail to:

The Manager — Warranty Administration,
Service Department,
General Motors–Holden's Sales Pty. Limited,
Box 548D, G.P.O.,
Melbourne,
Victoria. 3001.

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SECTION 8 SERVICE STATION INFORMATION

FUEL FILLER DOOR & CAP

Situated on the left rear body side panel. Use the key to unlock the door.
The fuel filler door may also be opened by operating the remote release lever (where fitted) situated at floor level on the outer side of the driver's seat.
To remove the fuel cap turn it anti-clockwise.
When reinstalling fuel cap, turn in clockwise direction until the 'screw-on' ratcheting feature operates.
Close the fuel filler door by simply pushing shut. They key is not required to lock this door.

FUEL RECOMMENDATION

To reduce the exhaust pollutants in the atmosphere, your vehicle has been designed to operate on a good clean UNLEADED FUEL of 91 octane rating (Research Octane Number), as indicated by the label on the inside of the fuel filler door.
The use of any other fuel will seriously damage the catalytic converter and may void your Warranty.

To ensure that the correct fuel is used, your vehicle has been fitted with a fuel filler nozzle restrictor. This allows the smaller, unleaded fuel filler nozzle to open the hinged deflector, so that fuel may be added to the fuel tank. The leaded, fuel filler nozzle is larger and therefore will not open the hinged deflector.

CAUTION: Petrol is extremely flammable and highly explosive under certain conditions. Always stop the engine and do not smoke or allow open flames or sparks near the vehicle when refuelling. If petrol fumes are noticed while driving, the cause should be determined and corrected without delay.

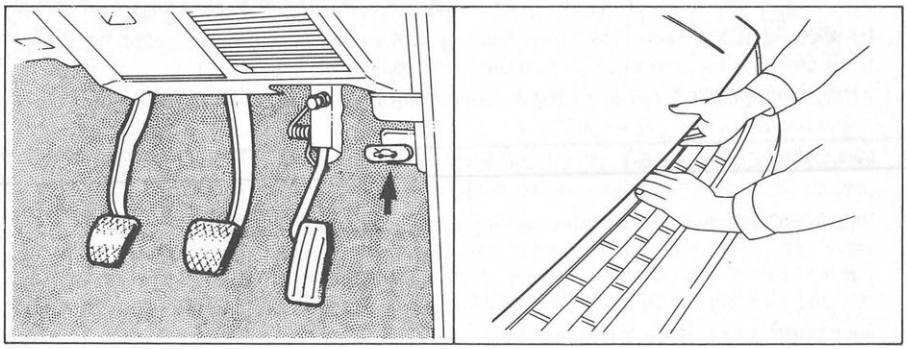
Overfilling of the fuel tank can affect the Evaporative Emission Control System.

To avoid this, the following procedure should be followed:

Fuel tanks should always be filled at the intermediate or fast fill rate. After initial shut-off (or vent blow back) no further fuel should be added. This retains the tank's ability to accommodate fuel expansion.

NOTICE: If petrol is spilt on the paintwork it should be flushed off immediately with clean water. Failure to do this could result in staining and/or softening of the paintwork particularly when the vehicle is new and the paint is still 'curing'.

ENGINE HOOD LOCK AND CATCH

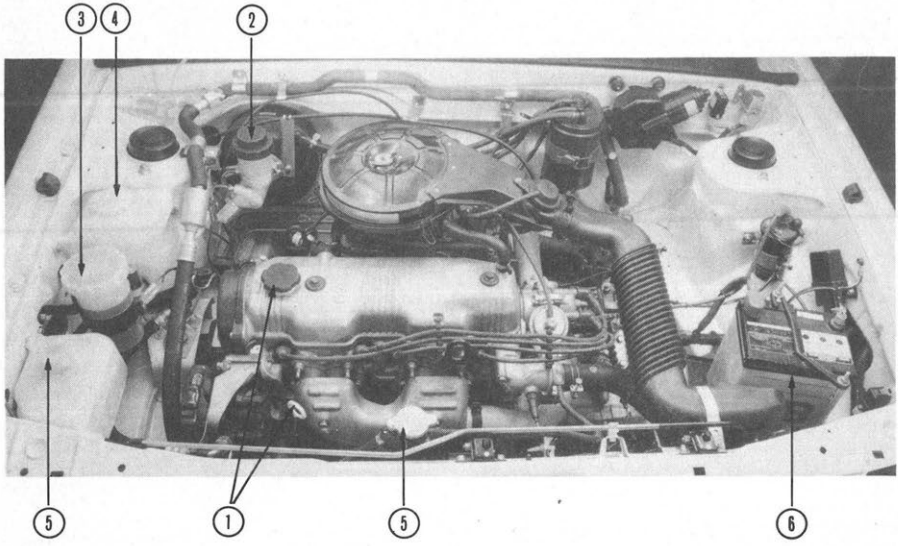


To open the engine hood, pull hood lock release handle located beneath the instrument panel, to the right of the steering column. This allows the hood to release but is prevented from opening by the safety catch. To open completely, reach in between the grille and hood and depress the safety catch. Hold in this position, raise hood and support by inserting support rod into the provided slot. For closing, return support rod to its resting position and lower hood gradually to be finally dropped under its own weight.

Always check to make certain hood is properly secured. If necessary, check that release handle below the instrument panel is pushed-in to its normal position.

When refuelling, check these items:

(For fluid and lubricant specifications refer to page 84.)



1. **ENGINE OIL.** Check the oil level as the last operation when stopped for fuel. Maintain oil level between top and bottom marks on the dipstick. (For important information on engine oil and viscosity grades, refer to Section 7A of this handbook.)
2. **BRAKE FLUID.** Check brake fluid level by looking at 'see through' reservoir. Refer to Section 7A for important information on topping up level.
3. **POWER STEERING (where fitted).** Check that fluid level is between maximum and minimum marks on reservoir.
4. **WINDSHIELD WASHER.** Check the washer reservoir fluid level regularly. For best results use a washer fluid additive such as 'Optikleen' (GM Part No. M37933).
5. **ENGINE COOLANT.** Check the coolant level by looking at the 'see through' recovery reservoir. Check the coolant level in the radiator at least weekly, preferably when the engine is cold. For details on filling procedures and recommended coolant refer to 'Engine Cooling System' in Section 7A of this handbook.
6. **BATTERY ELECTROLYTE.** Maintain level at recommended height by adding distilled water.

NOTE: If your vehicle is fitted with a 'Maintenance Free' battery it has no filler cap and never needs to be topped up. (Refer to Section 7A for additional information.)

Tyre Pressures

Check tyre pressures at least weekly (including the spare). Keep them inflated to the pressures shown on the Tyre Placard in the glove box.

IMPORTANT: ALLOWANCE MUST BE MADE FOR INFLATION PRESSURES IF CHECKING TYRES 'HOT'. REFER TO SECTION 7A FOR DETAILS.

SECTION 9

INDEX

Air Cleaner 98
Air Conditioner 34
Air Pressure, Tyres 105, 86
Antenna 40
Anti-Freeze Fluid 95
Anti-Theft Ignition Steering Lock 21
Automatic Transaxle
  Operating Controls 45
  Maintenance 93
  Fluid Capacity 84

Back-up Lights
  Operation 44
  Bulb Replacement 103
  Bulb Specifications 86
Battery 99
Brakes
  Split Circuit System 47
  Brake Failure Warning Light 28
  Parking Brake Warning Light 28
  Power Assisted 47
  Adjustment 47
  Parking Brake 48
  Trailer Towing Requirements 53
  Master Cylinder 47
Bulbs
  Replacement Procedures 101
  Specifications 86

Capacities, Fluid 84
Caravan & Trailer Towing 52
Carbon Monoxide Warning 41
Carburettor Mixture 83
Child Proof Lock 13
Child Restraints 20
Cigarette Lighter 31
Cleaning of Vehicle Interior 73
Cleaning of Vehicle Exterior 75
Clock, Digital 31
Clutch Pedal 43
Cooling System
  Coolant Specification 95
  Checking coolant levels 95
  Coolant Capacity 84
  Coolant Replacement 96
  Overheating 59
  Radiator Cap, Rating 85
Curb Mass 85
Customer Assistance 62

Dealers, GMH Authorised 64
Dimensions (Vehicle) 85
Dipping (Headlights) 22
Door Locks 12

Emission Control Systems 87
Engine
  Cooling System 94
  Identification Number 82
  Overheating 59
  Specifications 83
  Starting Procedures 42
Engine Oil
  Capacity 84
  Change Intervals 91
  Checking Levels 90
  Consumption Notes 92
  Filter Replacement 91
  Grade and Viscosity 91
Exhaust Gas Caution 41

Flashers
  Hazard Warning 54
  Turn Signal 22
Flooded Engine, Starting 43
Fluid Capacities 84
Fluid Levels
  Brake Master Cylinder 97
  Engine Coolant 95
  Power Steering 97
  Transaxle — manual 93

Transaxle — automatic 93
Windshield Washer 98
Fuel
Economy Tips 49
Filler Cap 154
Filter 99
Gauge 27
Requirements 154
Tank Capacity 84
Fumes (Petrol) Caution 154
Fuses
Location 100
Specifications 101

Generator Warning Light 28
Glove Compartment 14

Hazard Warning Flasher 54
Head Restraint 17
Heated Rear Window 30
Heater Controls 32
Headlamp
Bulb replacement 101
Bulb specifications 86
Dipping 22
High Beam Indicator Light 28
Hood, Engine
Release Lever 155
Safety Catch 155
Horn 22

Identification Numbers, Vehicle 80
Ignition Steering Lock 21
Ignition Timing 88
Indicator & Warning Lights 28
Infant and Child Restraints 20
Inflation Pressure, Tyres 86, 105
Instrument Panel 25
Interior (Dome) Light 15

Jack
Operation 55
Storage 54
Jump Starting 57

Kerb Mass 85
Keys 12

Lights
Bulb Chart 86
Bulb Replacement 101
Instrument Panel 104
Indicator and Warning Lights 28
Map & Reading 16
Switch (Headlights and
Park Light) 29
Loading Information 50
Locks
Door 12
Engine Hood 155
Fuel Filler Door 14
Ignition 21
Luggage Compartment 13
Lubricants (Specifications) 84

Maintenance Schedule 116
Manual Transaxle
Operating Controls 43
Maintenance 93
Fluid Capacity 84
Mirror, Rear Vision 15
Model Identification 82

New Vehicle, Running In 41

Octane Rating, Petrol 154
Odometer 27
Oil,
Engine 90
Low Pressure Warning Light 29
Specifications, General 84
Transaxle 93
Overheating, Engine 59
Owner Responsibility
Emission Controls 87
Maintenance Services 109

Paintwork, Cleaning 75
Parking Brake 48
Parking Lamp
Bulb replacement 102
Specification 86
Petrol . . . . . (See 'Fuel')
Polishing 76
Power Steering 23
Push Starting 59

Radiator — See "Cooling System"
Radio
AM/FM 35
AM/FM Stereo Cassette 36
Antenna 40
Rear Vision Mirrors 15
Rear Window Heater 30
Replacement Fasteners 89
Restraints — See "Seat Belts"
Running-in 41

Safer Motoring Precautions 9
Seats 16
Seat Belts 18
Serial Number (Chassis Number) ... 80
Service Manuals 89
Shift Speeds, Manual Transaxle 44
Spare Wheel 54
Spark Plugs 83
Speedometer 27
Split Circuit Brake System 47
Starting, Normal 42
Starting, Emergency
Jump Starting 57
Push Starting 59
Steering Column Controls 21
Stereo, Radio and
Cassette Player 36
Stop/Tail Lamp
Bulb Replacement 103
Specification 86
Superlift Shock Absorbers 51

Tachometer 27
Temperature Gauge 27
Timing, Ignition 88
Tow Bar 52
Towing a Disabled Vehicle 61
Towing a Caravan or Trailer 52
Transaxle
Manual 43
Automatic 45
Gear Ratios 83
Turn Signal Operation 22
Turn Signal Lamp
Bulb replacement 102
Specification 86
Tyre
Inflation Pressure 86, 105
Maximum Load Rating 51
Rotation 106
Specifications 86
Wear Indicators 107

Underbody Cleaning 75
Upholstery Cleaning 73

Vehicle Identification Number 80
Vehicle Loading 50
Vehicle Mass 85
Ventilation System 31

Warning Lights 28
Warranty, New Vehicle 1
Washing, vehicle exterior 76
Wheels
Bolt Torque 56, 86
Changing Procedure 55
Replacement 107
Specifications 86
Window Controls 14
Windshield
Cleaning 77
Washer Reservoir 98
Wiper/Washer Control 30
Wiper Blades 78

Zone, Owner Relations Manager's .. 63

ACCIDENTS

All motorists are advised to learn what to do at the scene of an accident, particularly where persons are injured. Injured people can choke to death if their air passages are not cleared. They can bleed to death unless the bleeding is stopped. They may require mouth-to-mouth resuscitation, may have to be moved, even though badly injured. It is important that you understand how to avoid further damaging an injured neck or back or other broken limbs.

The following notes may help.

- **Part 1. Accident — being involved.**
- **Part 2. Accident — being a witness.**
- **Part 3. Medical assistance.**

Part 1. Accident — being involved

If you are involved in an accident you are advised to do as follows:

Stop immediately.

Remember that time is vital. Remain calm and alert. Think quickly and clearly.

Give all possible assistance to all injured persons. (See Part 3 Medical Assistance).

Send for police and ambulance if anyone has been injured. Send information as accurately as possible. Give the exact location, the number of injured people and a brief report on the overall situation.

Perhaps take charge of the situation.

Warn all other traffic approaching the scene. Turn off ignition switches. Stop any smoking near spilt petrol. In darkness, try and light up the area to warn others.

Clear the road of accident debris.

Exchange your name, address, vehicle registration number and the vehicle owner's name and address with the other parties involved in the accident.

If damage to property only has occurred, report the facts to the owner of the damaged property or to his or her representative; to any police present at the scene or to the nearest Police Station.

Try and note all important facts because such details may be important if needed later.

Part 2. Accident — being a witness

If you witness a road accident or it becomes your task to stop and help at the scene of an accident, do this:

Keep in mind that an observant witness can prove most helpful. Some day you yourself might be very glad of help from a witness.

DO NOT stop at the scene of an accident *just to be a spectator.*

Where other people are already in attendance and giving assistance, **you should stop only if you can contribute assistance.**

Give what assistance you can to any injured persons. (See Part 3 Medical Assistance.)

Follow most of the steps suggested in Part 1. Perhaps you may have to take charge of the accident situation.